

Casting and Driving Mechanisms

Parts Catalog No. 52

**FOR LINOTYPE MODELS
5, 29, 30, 31, 32, 33, 34, 35, 36**



• LINOTYPE •

MERGENTHALER LINOTYPE COMPANY







Casting and Driving Mechanisms Parts Catalog No. 52

For Linotype Models 5, 29, 30, 31, 32, 33, 34, 35 and 36

MERGENTHALER LINOTYPE COMPANY, 29 Ryerson Street, Brooklyn 5, N. Y.

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to your Linotype Agency.

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GENERAL INFORMATION

This catalog illustrates and describes the parts used in the casting and driving mechanisms of Linotype Models 5, 29, 30, 31, 32, 33, 34, 35 and 36.

The section entitled "Index to Mechanisms," at the beginning of this book, lists parts comprising the casting and driving assemblies in alphabetical order. Parts are arranged in two easily identified groups under the headings, "Casting Mechanism" and "Driving Mechanism."

The "Index to Parts," located at the end of this catalog, conveniently lists individual parts in alphabetical and numerical sequence according to their respective part numbers.

SPECIAL FEATURES

Assembly Drawings and Detail Pages

The large drawings and photographs of assembled parts, when used in conjunction with the detail pages directly following, serve as an aid for locating parts within a given assembly.

In the interest of simplicity, part changes are not indicated on the assembly drawings. This is the function of the detail pages, and changes appear there whenever applicable; for positive identification of any part refer to these detail pages. By relating the photograph of the part shown on the left-hand detail page with the description on the corresponding right-hand page, the part in question can be definitely located and the correct part number determined.

A brief study of this catalog will familiarize the user with its basic plan, will reduce the effort needed to locate a part, and will help in ordering correctly.

Screws—Dowels—Nuts

These have been purposely reproduced on a somewhat larger scaling basis than the other parts in order to facilitate ready recognition. If they had been scaled down in proportion to the parts into which they assemble, the small screws would have lost shape and become mere dots on the printed page. The dimensions of these parts, with the exception of special shoulder screws, which readily identify themselves by their shape, are found on the right-hand pages immediately following the name of the part.

In the dimensions given for screws, the first figure refers to the diameter, the second to the threads per inch, and the third to the length under the head.

In the case of some screws, the diameter is given in the form of a standard number, such as 4, 6, 10, etc. As these numbers may not be readily interpreted by some persons, a list of their equivalents in decimals of an inch follows:

2 .....	.086"	6 .....	.138"
3 .....	.099"	8 .....	.164"
4 .....	.112"	10 .....	.190"
5 .....	.125"	14 .....	.242"

In the dimensions given for dowels, the first figure refers to the diameter (with taper dowels, the first figure refers to the largest diameter), the second to the length.

In the dimensions given for nuts, the first two figures refer to the diameter and the threads per inch of the screws on which the nut fits; the third figure refers to the distance across the flat.

CONVERSION TABLES AND DIMENSIONAL DATA

The following conversion tables should prove helpful when consulting dimensions:

Fractions of an inch	Decimals of an inch	Millimeters	Fractions of an inch	Decimals of an inch	Millimeters
$\frac{1}{16}$.....	.015625	.397	$\frac{1}{16}$.....	.515625	13.097
$\frac{1}{8}$.....	.03125	.794	$\frac{1}{8}$.....	.53125	13.494
$\frac{3}{16}$.....	.046875	1.191	$\frac{3}{16}$.....	.546875	13.891
$\frac{1}{4}$.....	.0625	1.588	$\frac{1}{4}$.....	.5625	14.288
$\frac{5}{16}$.....	.078125	1.984	$\frac{5}{16}$.....	.578125	14.684
$\frac{3}{8}$.....	.09375	2.381	$\frac{3}{8}$.....	.59375	15.081
$\frac{7}{16}$.....	.09375	2.778	$\frac{7}{16}$.....	.609375	15.478
$\frac{1}{2}$.....	.125	3.175	$\frac{1}{2}$.....	.625	15.875
$\frac{9}{16}$.....	.140625	3.572	$\frac{9}{16}$.....	.640625	16.272
$\frac{5}{8}$.....	.15625	3.969	$\frac{5}{8}$.....	.65625	16.669
$\frac{11}{16}$.....	.171875	4.366	$\frac{11}{16}$.....	.671875	17.066
$\frac{3}{4}$.....	.1875	4.763	$\frac{3}{4}$.....	.6875	17.463
$\frac{13}{16}$.....	.203125	5.159	$\frac{13}{16}$.....	.703125	17.859
$\frac{7}{8}$.....	.21875	5.556	$\frac{7}{8}$.....	.71875	18.256
$\frac{15}{16}$.....	.234375	5.953	$\frac{15}{16}$.....	.734375	18.653
$\frac{1}{2}$.....	.250	6.350	$\frac{1}{2}$.....	.750	19.050
$\frac{17}{32}$.....	.265625	6.747	$\frac{17}{32}$.....	.765625	19.447
$\frac{9}{16}$.....	.28125	7.144	$\frac{9}{16}$.....	.78125	19.844
$\frac{19}{32}$.....	.296875	7.541	$\frac{19}{32}$.....	.796875	20.241
$\frac{5}{8}$.....	.3125	7.938	$\frac{5}{8}$.....	.8125	20.638
$\frac{21}{32}$.....	.328125	8.334	$\frac{21}{32}$.....	.828125	21.034
$\frac{11}{8}$.....	.34375	8.731	$\frac{11}{8}$.....	.84375	21.431
$\frac{23}{32}$.....	.359375	9.128	$\frac{23}{32}$.....	.859375	21.828
$\frac{3}{4}$.....	.375	9.525	$\frac{3}{4}$.....	.875	22.225
$\frac{25}{32}$.....	.390625	9.922	$\frac{25}{32}$.....	.890625	22.622
$\frac{13}{16}$.....	.40625	10.319	$\frac{13}{16}$.....	.90625	23.019
$\frac{27}{32}$.....	.421875	10.716	$\frac{27}{32}$.....	.921875	23.416
$\frac{3}{8}$.....	.4375	11.113	$\frac{3}{8}$.....	.9375	23.813
$\frac{29}{32}$.....	.453125	11.509	$\frac{29}{32}$.....	.953125	24.209
$\frac{15}{8}$.....	.46875	11.906	$\frac{15}{8}$.....	.96875	24.606
$\frac{31}{32}$.....	.484375	12.303	$\frac{31}{32}$.....	.984375	25.003
$\frac{1}{2}$.....	.500	12.700	1.....	1.000	25.400

Inches	Centimeters	Inches	Centimeters	Inches	Centimeters
0.3937....	1.	2.....	5.080	4.....	10.160
0.7874....	2.	2.3622....	6.	5.....	12.700
1.....	2.540	2.7559....	7.	6.....	15.240
1.1811....	3.	3.....	7.620	7.....	17.780
1.5748....	4.	3.1496....	8.	8.....	20.320
1.9685....	5.	3.5433....	9.	9.....	22.860

Tables

Attention is called to the Tables of Screws, Dowels, Nuts, Washers and Springs, beginning on page 155. Herein will be found complete dimensional data providing for the ready identification of these parts.

Notes Appearing with Part Numbers

30 Em, 42 Em; 28 Cicero, 40 Cicero

Parts marked with the note (30 em) following the part number are for 30 em machines only, or, in the case of foreign machines, for their equivalent, 28 cicero. Parts marked with the note (42 em) after the part number are for 42 em machines only, or for their equivalent, 40 cicero, in the case of foreign machines. For users of the Didot system of measurements, parts exclusively for 28 or 40 cicero are so indicated. Parts unmarked by any clarifying note following their part number are for use with all machines.

INSTRUCTIONS FOR ORDERING

Careful preparation of your order will facilitate shipment. Following the procedures outlined below will help us meet your needs promptly.

1. Use standard Linotype order forms which are supplied free in any quantity on request. Send orders to your Linotype Agency.

2. State plainly the letter, number and full name of the part desired. Give your firm name and address in full. Be sure to sign all orders.

3. Always give the model and serial number of the Linotype for which parts are required. The model and serial number appear on the patent plate of the machine.

4. Electric Pots: on orders for heating units or other electrical supplies, specify the electrical characteristics of the power source on which it operates and the serial number of the Pot.

5. Motors: for supply parts specify make, whether geared or V-Belt, electrical current characteristics, and serial number. For A.C. Motors—the voltage, cycle and phase should be included under current characteristics.

6. If you are unable to find an illustration in this catalog of the part desired, make a rough sketch of what is wanted and state its intended use.

7. Give shipping instructions: freight, express, parcel post or air service. If freight, state the preferred route of shipment. If no shipping instructions are indicated, our Traffic Department will determine the best and most economical manner of shipment.

8. Special and careful attention is given to inspection, packing and shipping of all parts and supplies. Goods sent by parcel post, valued at \$1.00 or more, will be insured at our expense.

9. Parts and supplies furnished in accordance with written orders are not returnable for credit. If for any

reason it is necessary to return goods, they should be insured if sent by parcel post. The Linotype Company should be advised of both the reason for the return and the Linotype order number under which the part or parts were shipped.

DAMAGE OR LOSS IN TRANSIT

When express or freight shipments are delivered by us to the transportation company, our responsibility ceases. However, we offer you every assistance in tracing and recovering lost goods and collecting justifiable claims. Such claims are not to be deducted from our invoice, and payment should not be withheld awaiting adjustment of such claims, as the transportation company is responsible to the consignee for the safe delivery of the merchandise.

Damage or Loss:

If the shipment is not delivered to you in good order and in accordance with the quantity shown on the bill-of-lading, have the shortage or damage noted by the carrier's agent on the receipt or freight bill.

No adjustment for loss can be obtained after the shipment has been accepted unless the proper endorsements have been obtained from the carrier's agent.

Damage Discovered While Unpacking:

If any damage is discovered when unpacking the shipment, leave the goods in the exact condition in which they were received until the carrier's agent examines them and makes a notation of concealed damage on your freight bill.

File Claims Promptly:

The transportation company will not consider claims unless these are presented within four months from the date of shipment.

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CASTING MECHANISM

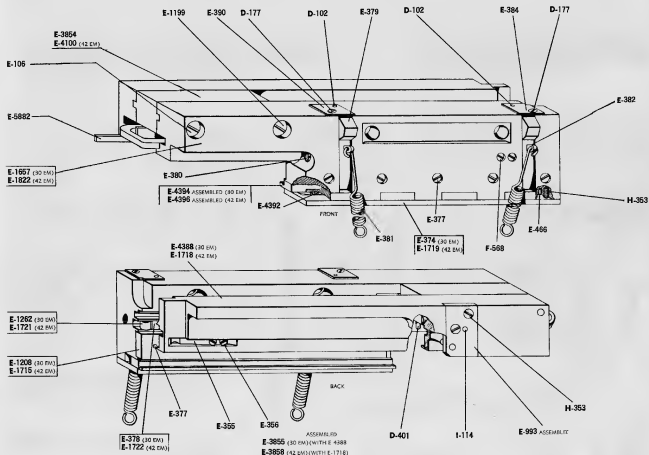
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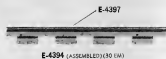
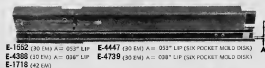
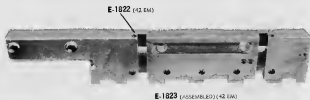
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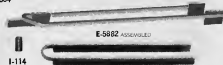
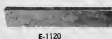
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Check Parts by Referring to Text Pages.



E-4399 (42 EM)

E-1663 (30 EM)
E-1723 (42 EM)

- D- 102 First elevator jaw duplex rail lever plate dowel 1/18" x 3/16"
 D- 177 First elevator jaw duplex rail lever plate screw 4-48 x 3/16"
 D- 401 First elevator jaw line stop banking pin 1/8" x 7/16"
 E- 106 First elevator jaw banking screw, long 1/4"-24 x 1 7/16"
 E- 168 First elevator jaw line stop banking pin 1/8" x 1/2"
 E- 355 First elevator jaw, back, spring pawl
 E- 356 First elevator jaw spring pawl screw, short 4-48 x 3/32"
 E- 373 First elevator jaw duplex rail banking pin .005" x 8/32"
 E- 374 First elevator jaw duplex rail cap (30 em)
 E- 377 First elevator jaw adjusting bar screw 8-32 x 1 7/32"
 E- 378 First elevator jaw spring pawl keeper (30 em)
 E- 378 First elev jaw, front, spring pawl keeper (30 em) (18 pt. T.L.)
 E- 379 First elevator jaw duplex rail lever
 E- 380 First elevator jaw duplex rail lever fulcrum pin
 E- 381 First elevator jaw duplex rail lever spring
 E- 382 First elevator jaw duplex rail lever spring eye pin
 E- 383 First elevator jaw duplex rail lever spring stud
 E- 384 First elevator jaw duplex rail lever plate, r.h.
 E- 390 First elevator jaw duplex rail lever plate, l.h.
 E- 466 First elevator jaw duplex rail cap dowel 1/16" x 1/4"
 E- 991 First elevator slide safety stop plate stud
 E- 993 First elevator slide safety stop plate, assembled
 E-1120 First elevator jaw, front, key
 E-1199 First elevator jaw binding screw, short 1/4"-24 x 1 19/64"
 E-1208 First elevator jaw adjusting bar (30 em)
 E-1219 First elevator jaw duplex rail (30 em)
 E-1262 First elevator jaw front, spring pawl (30 em)
 E-1547 First elevator jaw duplex rail lever, assembled
 E-1552 First elevator jaw back (30 em) (A=.003" lip)
 E-1657 First elevator jaw, front (30 em)
 E-1658 First elevator jaw, front and bar, assembled (30 em)
- E-1715 First elevator jaw adjusting bar (42 em)
 E-1716 First elevator jaw, back (42 em)
 E-1719 First elevator jaw duplex rail cap (42 em)
 E-1721 First elevator jaw, front, spring pawl (42 em)
 E-1722 First elevator jaw spring pawl keeper (42 em)
 E-1822 First elevator jaw, front (42 em)
 E-1823 First elevator jaw, front and bar, assembled (42 em)
 E-2754 First elevator jaw separating block
 E-3705 First elevator jaw line stop friction spring rivet
 E-3834 First elevator jaw line stop retaining pin
 E-3835 First elevator jaw line stop friction spring
 E-3857 First elevator jaw line stop, assembled (42 em)
 E-4100 First elevator jaw separating block (42 em) (with E-3857 line stop)
 E-4388 First elevator jaw, back (30 em) (A=.038" lip)
 E-4392 First elevator jaw duplex rail banking plate
 E-4394 First elevator jaw duplex rail and banking plate, assembled (30 em)
 E-4396 First elevator jaw duplex rail and banking plate, assembled (42 em)
 E-4397 First elevator jaw duplex rail (30 em)
 E-4399 First elevator jaw duplex rail (42 em)
 E-4447 First elevator jaw, back (30 em) (six pocket mold disk) (A=.003" lip)
 E-4685 First elevator slide safety stop plate (40 pt.)
 E-4739 First elevator jaw, back (30 em) (six pocket mold disk) (A=.038" lip)
 E-5882 First elevator jaw line stop (30 em) assembled
 F- 568 First elevator jaw spring pawl screw, long 4-48 x 1/2"
 F- 568 First elev. jaw, front, spring pawl screw, lg. (30 em) (18 pt. T.L.)
 G- 716 First elevator jaw screw 3/8"-18 x 1"
 H- 353 First elevator slide safety stop plate screw 8-32 x 3/8"
 H- 353 First elevator jaw duplex rail cap screw 8-32 x 3/8"
 H-1908 First elevator jaw line retaining pin (30 em) .002" x 11/64"
 I- 114 First elevator slide safety stop plate dowel 1/8" x 1/4"

Parts are for All Models Unless Otherwise Specified

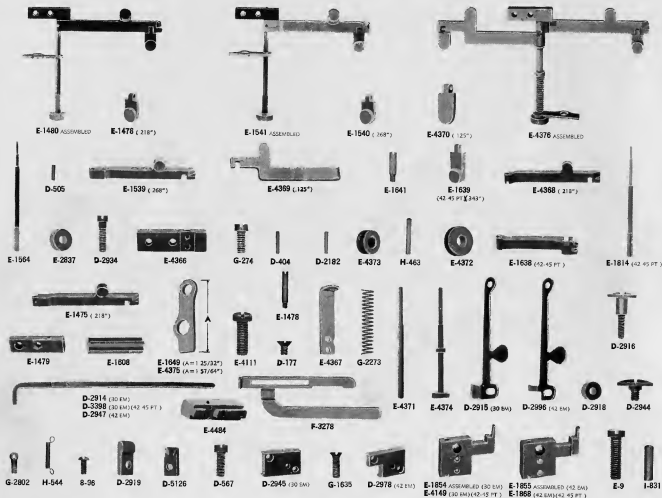
Please Give Model and Serial Number When Ordering

- A- 116 First elevator cam roll stud nut 1/2"-12 x 7/8"
 B- 8 First elevator cam roll
 B- 85 First elevator, auxiliary, lever shaft set screw 3/8"-16 x 3/4"
 B- 89 First elevator lever link eyebolt, upper nut
 B- 90 First elevator lever link bushing
 B- 91 First elevator lever link eyebolt, upper
 B- 92 First elevator lever link eyebolt, lower
 B- 93 First elevator lever link eyebolt, nut
 B- 94 First elevator lever link spring 3/4" x 5 3/8"
 B- 95 First elevator lever link eyebolt, lower, spring
 B- 253 First elevator lever link casing, assembled
 B- 271 First elevator lever link, assembled
 B- 338 First elevator slide stop dowel 5/32" x 7/8"
 B- 504 First elevator lever link eyebolt, lower, nut key
 B- 653 First elevator lever link lock nut 3/8"-16 x 1/2"
 B- 778 Slug lever operating cam
 BB- 24 First elevator lever link hinge pin, lower, assembled
 BB- 28 First elevator, auxiliary, lever adjusting screw 5/8"-11 x 1 1/2"
 BB-117 First elevator, auxiliary, lever
 BB-118 First elevator cam roll stud
 BB-122 First elevator, auxiliary, lever connecting screw 5/8"-11 x 1 3/4"
 BB-123 First elevator, auxiliary, lever washer
 BB-148 First elevator lever link hinge pin screw, lower 8-32 x 5/16"
 BB-150 First elevator and ejector lever shaft (30 em)
 BB-171 First elevator, auxiliary, lever, assembled
 BB-175 First elevator slide stop adjusting screw, lower 3/8"-16 x 1 1/2"
 BB-247 First elevator, auxiliary, lever adjusting screw nut 5/8"-11 x 1 1/16"
 BB-276 First elevator lever (30 em)
 BB-448 First elevator and ejector lever shaft (42 em)
 BB-449 First elevator lever (42 em)
 C- 93 Vise automatic stop screw nut 3/8"-16 x 1/2"
 C-1502 First elevator slide stop screw lock washer

- D- 85 First elevator lever link eyebolt, lower, spring screw 4-48 x 3/16"
 D- 145 First elevator slide gib, lower, r.h., dowel 1/8" x 5/8"
 D- 215 First elevator slide recasting block screw
 D- 940 First elevator slide recasting block screw spring washer
 E- 88 First elevator lever link hinge pin, upper 3/8" x 1 5/16"
 E- 90 First elevator slide stop screw 3/8"-16 x 1 1/4"
 E- 204 Vise automatic stop screw 3/8"-18 x 1 7/16"
 E- 429 First elevator slide adjusting screw, upper
 E- 430 First elevator slide adjusting screw, upper, nut 1/2"-12 x 11/16"
 E- 662 Galley bracket screw, lower (30 em) 5/16"-24 x 1 1/4"
 E- 792 First elevator slide stop
 E- 818 First elevator slide gib, lower, r.h. (42 em)
 E- 819 First elevator slide gib, lower, l.h.
 E- 819 First elevator slide gib, upper, r.h. (42 em)
 E- 819 First elevator slide gib, upper, l.h.
 E-1353 First elevator slide recasting block
 E-2043 First elevator slide gib, lower, r.h. (30 em)
 E-2043 First elevator slide gib, upper, r.h. (30 em) (for machines prior to Serial No. 66594)
 E-4111 First elevator slide gib screw 6/16"-24 x 7/8"
 E-4112 First elevator slide (42 em)
 E-4249 First elevator slide (30 em)
 E-4689 First elevator slide gib screw lock washer
 E-4761 First elevator slide gib, upper, r.h. (30 em)
 E-4870 First elevator slide stop adjusting screw, lower, nut 3/8"-18 x 1 1/2" x 1/4"
 G- 156 First elevator lever link hinge pin screw, upper 8-32 x 5/16"
 G- 246 Slug lever operating cam dowel 3/16" x 15/32"
 G-3999 First elevator slide guide screw lock washer
 H-2290 Slug lever operating cam screw 1/4"-24 x 5/8"
 I- 186 First elevator slide stop adjusting screw, lower, nut 3/8"-18 x 5/8"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering

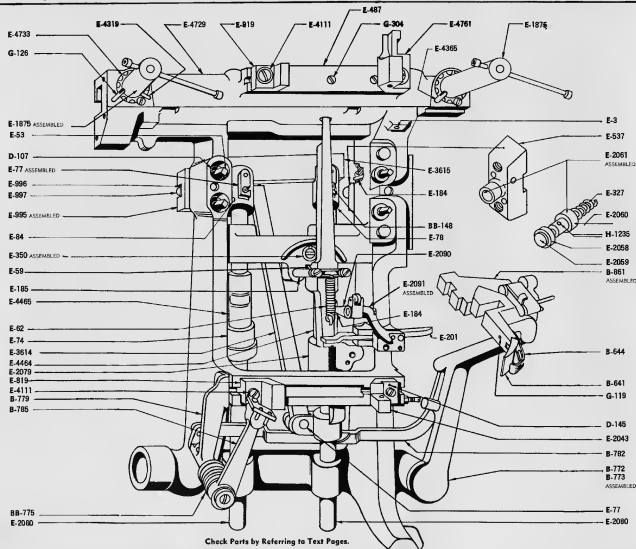


- B- 96 Auxiliary line safety rod spring screw 4-48 x 1/4"
 D- 177 First elevator slide filling piece hinge extension screw 4-48 x 3/16"
 D- 404 First elevator slide filling piece actuating and stud retaining pin .0625" x 3/8"
 D- 505 First elevator slide filling piece stud rivet
 D- 567 Auxiliary line safety lever cam screw 4-48 x 11/32"
 D-2914 Auxiliary line safety rod (30 em)
 D-2915 Auxiliary line safety lever (30 em)
 D-2916 Auxiliary line safety lever screw, upper
 D-2918 Auxiliary line safety lever spacer
 D-2919 Auxiliary line safety lever cam
 D-2934 First elevator slide filling piece hinge screw 8-32 x 5/8"
 D-2944 Auxiliary line safety lever screw, lower
 D-2945 Auxiliary line safety lever screw, lower bracket (30 em)
 D-2947 Auxiliary line safety rod (42 em)
 D-2978 Auxiliary line safety lever screw, lower, bracket (42 em)
 D-2996 Auxiliary line safety lever (42 em)
 D-3398 Auxiliary line safety rod (30 em) (42-45 point)
 D-5126 Auxiliary line safety lever cam
 E- 9 First elevator jaw, back, guard, screw 1/4"-24 x 7/8"
 E-1475 First elevator slide filling piece, long .218"
 E-1476 First elevator slide filling piece, short .218"
 E-1478 First elevator slide filling piece screw
 E-1479 First elevator slide filling piece hinge
 E-1480 First elevator slide filling piece .218", assembled (for 4-14 point two-letter and one-letter display matrices)
 E-1539 First elevator slide filling piece, long .268" (for head-letter high cap accent matrices)
 E-1540 First elevator slide filling piece, short .268" (for head-letter high cap accent matrices)
 E-1541 First elevator slide filling piece .268", assembled (for head-letter high cap accent matrices)
 E-1564 First elevator slide filling piece stud
 E-1608 First elevator slide filling piece hinge (for use with F-3278)
 E-1638 First elevator slide filling piece, long (for head-letter 42-45 point)

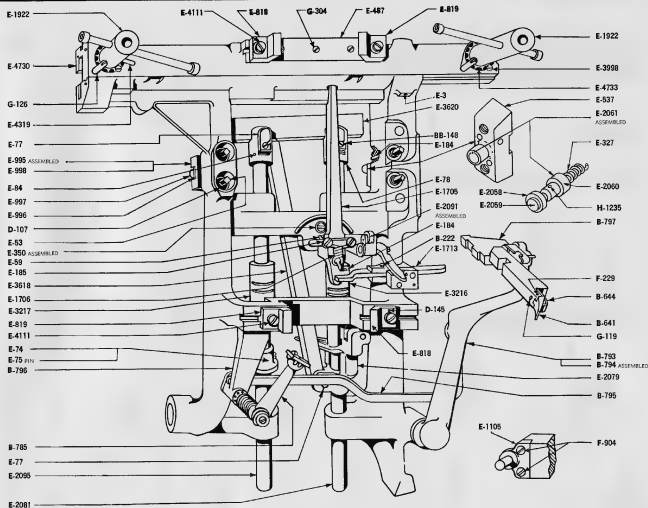
Parts are for All Models Unless Otherwise Specified

- E-1639 First elevator slide filling piece projection (.348") (42-45 point)
 E-1641 First elevator slide filling piece screw
 E-1641 First elevator slide filling piece projection stud
 E-1649 First elevator slide filling piece stud support (used in E-1480 and E-1541) (A=1 25/32")
 E-1814 First elevator slide filling piece stud, head-letter (42-45 point)
 E-1854 First elevator jaw, back, guard, assembled (30 em)
 E-1855 First elevator jaw, back, guard, assembled (42 em)
 E-1868 First elevator jaw, back, guard (42-45 point) (42 em)
 E-2837 First elevator slide filling piece stud knob
 E-4111 First elevator slide gib screw 5/16"-24 x 7/8"
 E-4149 First elevator jaw, back, guard (42-45 point) (30 em)
 E-4366 First elevator slide filling piece hinge
 E-4367 First elevator slide filling piece hinge extension
 E-4368 First elevator slide filling piece, long .218" (used in E-4378)
 E-4369 First elevator slide filling piece, long .125" (used in E-4378)
 E-4370 First elevator slide filling piece projection (.125") (used in E-4376)
 E-4371 First elevator slide filling piece stud (used in E-4378)
 E-4372 First elevator slide filling piece stud knob
 E-4373 First elevator slide filling piece stud spring collar
 E-4374 First elevator slide filling piece stud and knob, assembled (used in E-4376)
 E-4375 First elevator slide filling piece stud support (used in E-4376) (A=1 37/64")
 E-4376 First elevator slide filling piece, assembled (for 4-14 point two-letter, 18 and 24 point two-letter and one-letter display matrices)
 E-4484 First elevator slide filling piece hinge (used with F-3278)
 F-3278 First elevator slide adjusting piece (.080" thick)
 G- 274 First elevator slide filling piece hinge screw 8-32 x 3/8"
 G-1635 Auxiliary line safety lever screw, lower, bracket screw 6-48 x 7/16"
 G-2273 First elevator slide filling piece stud spring
 G-2802 Auxiliary line safety rod spring stud
 H- 463 First elevator slide filling piece stud knob pin 3/32" x 3/4"
 H- 544 Auxiliary line safety rod spring
 I- 831 First elevator jaw, back, guard dowel 3/16" x 11/16"

Please Give Model and Serial Number When Ordering



Check Parts by Referring to Text Pages.



Check Parts by Referring to Text Pages.



- A- 38 Galley bracket screw 14-24 x 3/4"
- A- 901 Slug lever oil hole cover
- B- 35 Vise balance spring hook, back (42 em)
- B8-244 Vise balance spring hook screw 5/16"-18 x 3/4"
- C- 123 Vise frame rest cotter pin
- C- 148 Vise locking screw spring
- D- 34 Mold banking block, lower, screw 8-32 x 1/2"
- D- 145 First elevator slide gib, lower, r.h., dowel 1/8" x 5/8"
- D- 218 Vise balance spring hook, front, dowel (42 em) 1/8" x 1/2"
- D- 977 Mold banking block, lower, dowel 5/32" x 7/16"
- E- 3 Vise cap screw 3/8"-16 x 2 1/8"
- E- 131 Vise frame shaft (30 em)
- E- 133 Vise locking stud, r.h., assembled (30 em)
- E- 134 Vise locking stud, r.h., screw 1/2"-12 x 1 3/4"
- E- 135 Vise locking stud, l.h., assembled (30 em)
- E- 136 Vise locking stud nut 1-15 x 3/8" x 1 1/2"
- E- 138 Vise locking screw handle
- E- 165 Vise balance spring hook, back, nut (42 em) 3/8"-16 x 5/8"
- E- 219 Vise jaw, l.h., detent pin screw 10-32 x 9/32"
- E- 231 Vise locking stud pin, r.h. 1/8" x 3/8"
- E- 231 Vise locking stud pin, l.h. 1/8" x 3/8"
- E- 236 Vise locking screw handle knob
- E- 392 Vise locking stud washer (.003", .005" or .010")
- E- 487 Vise cap facing
- E- 493 Mold banking block, upper (30 em)
- E- 572 Vise frame rest spring
- E- 662 Galley bracket screw, lower (30 em) 5/16"-24 x 1 1/4"
- E-1254 Vise balance spring (42 em)
- E-1255 Vise balance spring hook, front (42 em)
- E-1256 Vise balance spring hook, back, support (42 em)
- E-1260 Vise balance spring (30 em)
- E-1261 Vise balance spring hook (30 em)
- E-1288 Vise locking screw spring plunger
- E-1562 Vise frame rest
- E-1664 Vise jaw, l.h., detent pin 1/8" x .625"
- E-1693 Vise frame shaft (42 em)
- E-1696 Vise locking stud, r.h., assembled (42 em)
- E-1698 Vise locking stud, l.h., assembled (42 em)
- E-1711 Mold banking block, upper
- E-1712 Mold banking block, lower (42 em)

Parts are for All Models Unless Otherwise Specified

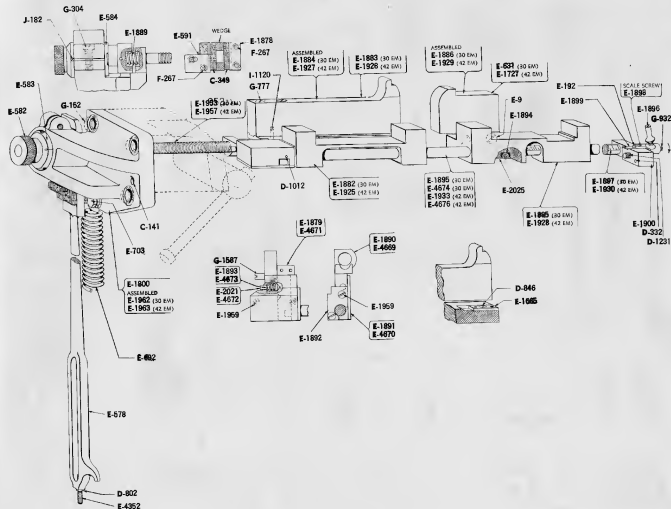
- E-1875 Vise locking screw, assembled (30 em)
- E-1921 Vise locking screw (42 em)
- E-1922 Vise locking screw, assembled (42 em)
- E-1961 Vise locking screw and safety pin, assembled (30 em)
- E-2044 Mold banking block, lower (30 em)
- E-2045 Mold banking block, lower, cotter pin (30 em)
- E-2064 Mold slide spring buffer spring
- E-2320 Mold slide spring buffer plunger
- E-3822 Mold banking block, lower (six-pocket mold disk)
- E-3823 Mold banking block, upper (24 1/2 em) (six-pocket mold disk)
- E-3998 Vise locking screw adjustable bushing screw 10-32 x 5/8"
- E-4111 First elevator slide gib screw 5/16"-34 x 7/8"
- E-4295 Mold banking block, upper (25 1/2 em) (six-pocket mold disk)
- E-4319 Vise locking screw safety pin 3/16" x 1"
- E-4365 Vise locking screw safety pin banking screw, r.h. (30 em)
- E-4427 Vise balance spring hook screw 5/16"-18 x 13/16" (30 em)
- E-4443 Mold banking block, upper (30 em) (six-pocket mold disk)
- E-4689 First elevator slide gib screw lock washer 9/16" I.D.
- E-4690 Mold banking block, lower, screw lock washer 1/4" I.D.
- E-4729 Vise cap (30 em) (use with adjustable bushing)
- E-4730 Vise cap (42 em) (use with adjustable bushing)
- E-4733 Vise locking screw adjustable bushing
- E-4853 Vise cap, assembled (30 em)
- E-4544 Vise frame shaft set screw (42 em) 3/8"-16 x 1 5/16"
- G- 113 Vise frame shaft set screw (30 em) 3/8"-16 x 13/16"
- G- 126 Vise locking screw safety pin banking screw 1/4"-24 x 7/8"
- G- 304 Vise cap facing screw 1/4"-24 x 1/2"
- G- 304 Mold banking block, upper, screw 1/4"-24 x 1/2"
- I- 186 Mold slide spring buffer plunger adjusting nut 3/8"-16 x 5/8"
- I- 186 Mold slide spring buffer plunger adjusting nut lock nut 3/8"-16 x 5/8"
- I- -287 Vise jaw, l.h., detent pin spring
- I- 874 Mold banking block, upper, dowel 3/16" x 11/32"

Parts Not Illustrated

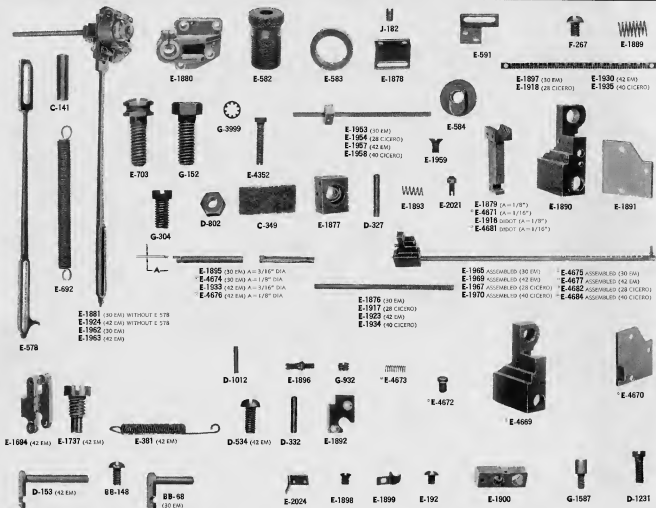
- E-1701 Vise frame (42 em)
- E-2047 Vise frame (30 em)
- E-4987 Vise cap and frame, assembled (30 em)
- E-5602 Vise cap and frame, assembled (42 em)

Please Give Model and Serial Number When Ordering





Check Parts by Referring to Text Pages.



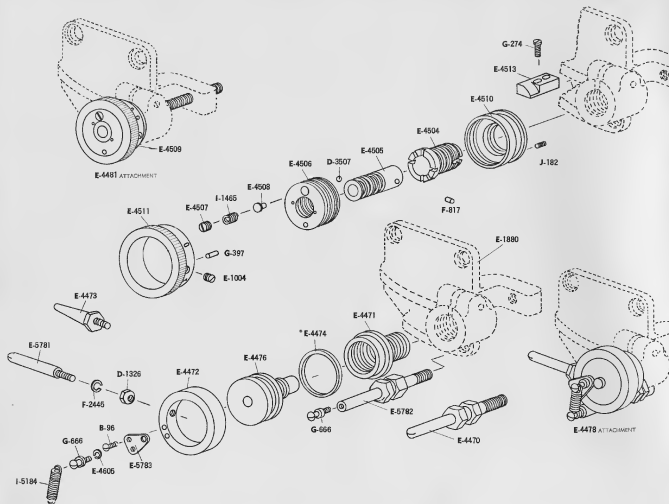
* For use on Machines above Serial No. 56594.

- 88- 68 Vise jaw, l.h., wedge hinge pin, assembled (30 em) 1/4" x 1 1/8"
 88-148 Vise jaw, l.h., wedge hinge pin screw 8-32 x 5/16"
 C- 141 Vise jaw, l.h., wedge bracket pin 1/4" x 15/16"
 C- 349 Vise jaw, l.h., wedge wiper
 D- 153 Vise jaw, l.h., wedge link hinge pin, assembled (42 em) 1/4" x 1/2"
 D- 327 Vise jaw, l.h., wedge block pin 1/8" x 7/8"
 D- 332 Vise jaw, l.h., em scale support pin 1/8" x 3/4"
 D- 534 Vise jaw, l.h., wedge link spring screw (42 em) 10-32 x 7/16"
 D- 802 Vise jaw, l.h., wedge adjusting screw nut 6-32 x 5/16"
 D-1012 Vise jaw, l.h., adjusting bar stop pin 3/32" x 9/16"
 D-1231 Vise jaw, l.h., em scale pointer support screw 10-32 x 5/8"
 E- 192 Vise jaw, l.h., em scale pointer screw 4-48 x 1/8"
 E- 381 Vise jaw, l.h., wedge link spring (42 em)
 E- 578 Vise jaw, l.h., wedge
 E- 582 Vise jaw, l.h., wedge adjusting bushing
 E- 583 Vise jaw, l.h., wedge adjusting bushing collar
 E- 584 Vise jaw, l.h., wedge guide
 E- 591 Vise jaw, l.h., wedge wiper bracket, l.h.
 E- 692 Vise jaw, l.h., wedge spring
 E- 703 Vise jaw, l.h., wedge spring screw
 E-1694 Vise jaw, l.h., wedge link (42 em)
 E-1737 Vise jaw, l.h., wedge link screw (42 em)
 E-1876 Vise jaw, l.h., adjusting rod (30 em) (specify when used with
 six-pocket mold disk)
 E-1877 Vise jaw, l.h., wedge block
 E-1878 Vise jaw, l.h., wedge wiper bracket, r.h.
 E-1879 Vise jaw, l.h., adjusting rod locking pin (A=1/8")
 E-1880 Vise jaw, l.h., wedge bracket
 E-1881 Vise jaw, l.h., wedge bracket, assembled (30 em) (without E-578)
 E-1889 Vise jaw, l.h., wedge block spring
 E-1890 Vise jaw, l.h., adjusting rod locking block
 E-1891 Vise jaw, l.h., adjusting rod locking block plate
 E-1892 Vise jaw, l.h., adjusting bar keeper
 E-1893 Vise jaw, l.h., adjusting rod locking pin spring (3/16" x 13/32")
 E-1895 Vise jaw, l.h., adjusting bar (30 em) (A=3/16" dia.)
 E-1896 Vise jaw, l.h., adjusting bar handle
 E-1897 Vise jaw, l.h., em scale (30 em)
 E-1898 Vise jaw, l.h., em scale screw 4-48 x 5/32"
 E-1899 Vise jaw, l.h., em scale pointer
 E-1900 Vise jaw, l.h., em scale pointer support
 E-1916 Vise jaw, l.h., adjusting rod locking pin (didot) (A=1/8")
 E-1917 Vise jaw, l.h., adjusting rod (didot) (28 cicero)

- E-1918 Vise jaw, l.h., cicero scale (28 cicero)
 E-1923 Vise jaw, l.h., adjusting rod (42 em)
 E-1924 Vise jaw, l.h., wedge bracket, assembled (42 em) (without E-578)
 E-1930 Vise jaw, l.h., em scale (42 em)
 E-1933 Vise jaw, l.h., adjusting bar (42 em) (A=3/16" dia.)
 E-1934 Vise jaw, l.h., adjusting rod (didot) (40 cicero)
 E-1935 Vise jaw, l.h., cicero scale (40 cicero)
 E-1953 Vise jaw, l.h., adjusting rod, assembled (30 em)
 E-1954 Vise jaw, l.h., adjusting rod, assembled (didot) (28 cicero)
 E-1957 Vise jaw, l.h., adjusting rod, assembled (42 em)
 E-1958 Vise jaw, l.h., adjusting rod, assembled (didot) (40 cicero)
 E-1959 Vise jaw, l.h., adjusting bar keeper screw 6-48 x 1/4"
 E-1959 Vise jaw, l.h., adjusting rod locking block plate screw 6-48 x 1/4"
 E-1962 Vise jaw, l.h., wedge bracket, assembled (30 em)
 E-1963 Vise jaw, l.h., wedge bracket, assembled (42 em)
 E-1965 Vise jaw, l.h., adjusting bar, assembled (30 em)
 E-1967 Vise jaw, l.h., adjusting bar, assembled (didot) (28 cicero)
 E-1969 Vise jaw, l.h., adjusting bar, assembled (42 em)
 E-1970 Vise jaw, l.h., adjusting bar, assembled (didot) (40 cicero)
 E-2021 Vise jaw, l.h., adjusting rod locking pin detent
 E-2024 Vise jaw, l.h. (1/3, 1/4 or 2/3 picas off-measure) adjusting rod
 locking pin extension, assembled
 E-4352 Vise jaw, l.h., wedge adjusting screw
 E-4669 Vise jaw, l.h., adjusting rod locking block
 E-4670 Vise jaw, l.h., adjusting rod locking block plate
 E-4671 Vise jaw, l.h., adjusting rod locking pin (A=1/16")
 E-4672 Vise jaw, l.h., adjusting rod locking pin detent
 E-4673 Vise jaw, l.h., adjusting rod locking pin spring (.148" x 1/2")
 E-4674 Vise jaw, l.h., adjusting bar (30 em) (A=1/8" dia.)
 E-4675 Vise jaw, l.h., adjusting bar, assembled (30 em)
 E-4676 Vise jaw, l.h., adjusting bar (42 em) (A=1/8" dia.)
 E-4677 Vise jaw, l.h., adjusting bar, assembled (42 em)
 E-4681 Vise jaw, l.h., adjusting rod locking pin (didot) (A=1/16")
 E-4682 Vise jaw, l.h., adjusting bar (didot) assembled
 E-4684 Vise jaw, l.h., adjusting bar (40 cicero) assembled
 F- 267 Vise jaw, l.h., wedge wiper bracket screw 6-48 x 3/16"
 G- 152 Vise jaw, l.h., wedge bracket screw 3/8"-16 x 1"
 G- 304 Vise jaw, l.h., wedge adjusting bushing clamp screw 1/4"-24 x 1/2"
 G- 932 Vise jaw, l.h., adjusting bar handle screw 8-32 x 1/8"
 G-1587 Vise jaw, l.h., adjusting rod locking block stop screw
 G-3999 Vise jaw, l.h., wedge bracket screw lock washer
 J- 182 Vise jaw, l.h., wedge adjusting bushing collar set screw 4-48 x 3/16"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



* SPECIFY OFF MEASURE SETTINGS IN POINTS

- B- 96 Vise jaw, l.h., wedge adjusting bushing sleeve spring stud plate screw 4-48 x 1/4"
- D-1326 Vise jaw, l.h., wedge adjusting bushing sleeve ring pin nut 10-32 x 5/16" x 1/16"
- D-3507 Vise jaw, l.h., wedge adjusting bushing sleeve adjusting piece detent ball
- E-1004 Vise jaw, l.h., wedge adjusting bushing sleeve indicator screw
- E-4470 Vise jaw, l.h., wedge spring screw
- E-4471 Vise jaw, l.h., wedge adjusting bushing
- E-4472 Vise jaw, l.h., wedge adjusting bushing sleeve ring
- E-4473 Vise jaw, l.h., wedge adjusting bushing sleeve ring pin
- E-4474 Vise jaw, l.h., wedge adjusting bushing sleeve spacer
- E-4476 Vise jaw, l.h., wedge adjusting bushing sleeve
- E-4478 Vise jaw, l.h., wedge adjusting bushing attachment
- E-4481 Vise jaw, l.h., wedge adjusting bushing attachment (variable)
- E-4504 Vise jaw, l.h., wedge adjusting bushing
- E-4505 Vise jaw, l.h., wedge adjusting bushing sleeve
- E-4506 Vise jaw, l.h., wedge adjusting bushing sleeve adjusting piece
- E-4507 Vise jaw, l.h., wedge adjusting bushing sleeve adjusting piece detent screw
- E-4508 Vise jaw, l.h., wedge adjusting bushing sleeve adjusting piece detent pin

Parts are for All Models Unless Otherwise Specified

- E-4509 Vise jaw, l.h., wedge adjusting bushing, assembled
- E-4510 Vise jaw, l.h., wedge adjusting bushing sleeve adjusting piece retainer
- E-4511 Vise jaw, l.h., wedge adjusting bushing sleeve indicator
- E-4513 Vise jaw, l.h., wedge adjusting bushing sleeve indicator block
- E-4605 Vise jaw, l.h., wedge adjusting bushing sleeve spring stud lock washer
- E-5781 Vise jaw, l.h., wedge adjusting bushing sleeve ring pin
- E-5782 Vise jaw, l.h., wedge spring screw
- E-5783 Vise jaw, l.h., wedge adjusting bushing sleeve spring stud plate
- F- 817 Vise jaw, l.h., wedge adjusting bushing sleeve pin
- F-2445 Vise jaw, l.h., wedge adjusting bushing sleeve ring pin nut lock washer
- G- 274 Vise jaw, l.h., wedge adjusting bushing sleeve indicator block screw
- G- 397 Vise jaw, l.h., wedge adjusting bushing sleeve indicator pin
- G- 666 Vise jaw, l.h., wedge adjusting bushing sleeve spring stud
- I-1465 Vise jaw, l.h., wedge adjusting bushing sleeve adjusting piece pin spring
- I-5184 Vise jaw, l.h., wedge adjusting bushing sleeve spring
- J- 182 Vise jaw, l.h., wedge adjusting sleeve adjusting piece retainer set screw

Please Give Model and Serial Number When Ordering



E-1894 (30 EM)



E-1886 (30 EM)



J-1636

E-3831 (30 EM) (A=1.15/16")
E-4828 (30 EM) (A=2.27/32")

E-1895 (30 EM)



E-9

E-1827 (42 EM)
(L.H.) ASSEMBLEDE-1929 (42 EM)
(R.H.) ASSEMBLED

E-3832 (42 EM)



E-1928 (42 EM)

E-1893 (30 EM)
E-2033 (30 EM) (42-45 PT)E-1926 (42 EM)
E-2078 (42 EM) (42-45 PT)E-631 (30 EM)
E-1389 (30 EM) (42-45 PT)

E-1727 (42 EM)



E-1894

E-2025

E-1882 (30 EM)
E-1925 (42 EM)E-1854 (30 EM)
E-4149 (30 EM) (42-45 PT)

I-831

E-1855 (42 EM)
E-1856 (42 EM) (42-45 PT)

G-777



I-1120



E-1665



D-846



I-114



E-1664



I-287



E-219



E-1239 R.H. ASSEMBLED



G-228



A-112

A- 112 Vise jaw, r.h., banking screw 8-32 x 3/8"
 D- 846 Vise jaw, l.h., detent pin plate screw 6-48 x 5/16"
 E- 9 Vise jaw, r.h., screw 1/4"-24 x 7/8"
 E- 9 First elevator jaw, back, guard screw 1-4"-24 x 7/8"
 E- 219 Vise jaw, l.h., detent pin screw 10-32 x 9/32"
 E- 631 Vise jaw, r.h. (30 em)
 E-1239 Vise jaw, r.h., banking, assembled
 E-1389 Vise jaw, r.h. (42-45 point) (30 em)
 E-1664 Vise jaw, l.h., detent pin 1/8" x .625"
 E-1665 Vise jaw, l.h., detent pin plate
 E-1727 Vise jaw, r.h. (42 em)
 E-1854 First elevator jaw, back, guard, assembled (30 em)
 E-1855 First elevator jaw, back, guard, assembled (42 em)
 E-1868 First elevator jaw, back, guard (42-45 point) (42 em)
 E-1882 Vise jaw, l.h., block (30 em)
 E-1883 Vise jaw, l.h. (30 em)
 E-1884 Vise jaw, l.h., assembled (30 em)
 E-1885 Vise jaw, r.h., block (30 em)
 E-1886 Vise jaw, r.h., assembled (30 em)
 E-1894 Vise jaw, r.h., anti-friction roll

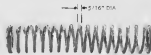
Parts are for All Models Unless Otherwise Specified

E-1925 Vise jaw, l.h., block (42 em)
 E-1926 Vise jaw, l.h. (42 em)
 E-1927 Vise jaw, l.h., assembled (42 em)
 E-1928 Vise jaw, r.h., block (42 em)
 E-1929 Vise jaw, r.h., assembled (42 em)
 E-2025 Vise jaw, r.h., anti-friction roll retaining pin 3/84" x 15/16"
 E-2033 Vise jaw, l.h. (42-45 point) (30 em)
 E-2078 Vise jaw, l.h. (42-45 point) (42 em)
 E-3831 Vise jaw, r.h., block supporting plate (30 em) (A=1 15/16")
 E-3832 Vise jaw, r.h., block supporting plate (42 em)
 E-4149 First elevator jaw, back, guard (42-45 point) (30 em)
 E-4828 Vise jaw, r.h., block supporting plate (30 em) (A=2 27/32")
 G- 228 Vise jaw, r.h., banking dowel 3/32" x 9/32"
 G- 777 Vise jaw, l.h., screw 1/4"-24 x 1 1/4"
 I- 114 Vise jaw, l.h., detent pin plate dowel 1/8" x 1/4"
 I- 287 Vise jaw, l.h., detent pin spring
 I- 831 First elevator jaw, back, guard dowel 3/16" x 11/16"
 I-1120 Vise jaw, l.h., pin 1/4" x 5/8"
 J-1535 Vise jaw, r.h., block supporting plate screw 10-32 x 1/2"

Please Give Model and Serial Number When Ordering



F-35



F-32



BB-238



BB-5



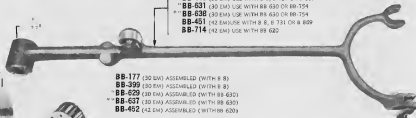
BB-280



A-901

ASSEMBLED

- BB-9 (30 EM) USE WITH B 8, B 731 OR B 809
 BB-445 (30 EM) USE WITH B 8, B 731 OR B 809
 BB-631 (30 EM) USE WITH BB 630 OR BB 754
 BB-638 (30 EM) USE WITH BB 630 OR BB 754
 BB-451 (42 EM) USE WITH B 8, B 731 OR B 809
 BB-714 (42 EM) USE WITH BB 620



- BB-177 (30 EM) ASSEMBLED (WITH B 8)
 BB-399 (30 EM) ASSEMBLED (WITH B 8)
 BB-629 (30 EM) ASSEMBLED (WITH BB 630)
 BB-637 (30 EM) ASSEMBLED (WITH BB 630)
 BB-452 (42 EM) ASSEMBLED (WITH BB 620)



B-8
 B-731 (1/8" OVERSIZE)



B-869 (1/8" OVERSIZE)



B-872
 USED WITH B 809



BB-663



E-75
 E-94



BB-625



D-3326



BB-620
 BB-753 (1/8" OVERSIZE)



BB-626
 USED WITH
 BB 620, BB 753



BB-630
 BB-754 (1/8" OVERSIZE)



BB-634
 (USED WITH
 BB 630
 BB 754)



E-2079



E-4464 (30 EM) (A=2 1/8")
 E-4465 (30 EM) (A=2 17/32")
 E-4587 (30 EM) (A=2 19/32")
 E-4588 (30 EM) (A=2 601")



E-3216 (42 EM) (A=3 7/16")
 E-3217 (42 EM) (A=3 13/16")
 E-4466 (42 EM) (A=3 1/4")
 E-4467 (42 EM) (A=3 21/32")

* — OIL HOLE
 ** — TAPPED HOLE



E-74



E-76

- A- 110 Vise closing lever set screw (30 em) 3/8"-18 x 1"
 A- 901 Vise closing lever oil hole cover
 B- 8 Vise closing cam roll
 B- 731 Vise closing cam roll (1/8" oversize)
 B- 869 Vise closing cam roll (1/8" oversize)
 B- 872 Vise closing cam roll anti-friction roll (use with B-869)
 BB- 5 Vise closing lever spring washer, lower
 BB- 9 Vise closing lever (30 em) (use with B-8, B-731 or B-869) (5-31-32)
 BB-177 Vise closing lever, assembled (use with B-8) (5-31-32)
 BB-238 Vise closing lever spring washer, upper
 BB-280 Vise closing lever spring rod
 BB-399 Vise closing lever, assembled (30 em) (use with B-8) (29-30)
 BB-446 Vise closing lever (30 em) (use with B-8, B-731 or B-869) (29-30)
 BB-451 Vise closing lever (42 em) (use with B-8, B-731 or B-869)
 BB-452 Vise closing lever, assembled (42 em) (use with BB-630)
 BB-482 Vise closing cam roll pin, assembled (42 em) (use with B-8, BB-620)
 BB-620 Vise closing cam roll
 BB-625 Vise closing cam roll pin plate screw 8-32 x 5/16"
 BB-626 Vise closing cam roll anti-friction roll, assembled
 (use with BB-620 or BB-753)
 BB-629 Vise closing lever, assembled (30 em) (use with BB-630)
 (5-31-32-33-34)
 BB-630 Vise closing cam roll
 BB-631 Vise closing lever (30 em) (use with BB-630 or BB-754)
 (5-31-32-33-34)
 BB-632 Vise closing cam roll pin, assembled (30 em) (use with BB-630)
 BB-634 Vise closing cam roll anti-friction roll, assembled
 (use with BB-630 and BB-754)
 BB-637 Vise closing lever, assembled (30 em) (use with BB-630)
 BB-638 Vise closing lever (30 em) (use with BB-630 or BB-754)
 BB-663 Vise closing cam roll
 BB-714 Vise closing lever (42 em) (use with BB-620)
 BB-753 Vise closing cam roll (1/8" oversize)

Parts are for All Models Unless Otherwise Specified

- BB-754 Vise closing cam roll (1/8" oversize)
 D-3326 Vise closing cam roll pin plate screw
 E- 71 Vise justification rod, first (30 em)
 E- 74 Vise justification rod, second, collar
 E- 75 Vise justification rod, first, collar pin 1/4" x 1 5/8"
 E- 75 Vise justification rod, second, collar pin 1/4" x 1 5/8"
 E- 78 Vise justification rod, first, cap
 E- 78 Vise justification rod, second, cap
 E- 84 Vise justification rod, first, cap pin 3/16" x 1 3/16"
 E- 84 Vise justification rod, second, cap pin 3/16" x 1 3/16"
 E-1707 Vise justification rod, first (42 em)
 E-2028 Vise justification rod, second (30 em)
 E-2079 Vise justification rod, first, collar (42 em)
 E-2094 Vise justification rod, second (42 em)
 E-3216 Vise justification rod, first, sleeve (42 em)
 E-3217 Vise justification rod, second, sleeve (42 em)
 E-4464 Vise justification rod, first, sleeve (30 em)
 E-4465 Vise justification rod, second, sleeve (30 em)
 E-4466 Vise justification rod, first, sleeve (42 em)
 E-4467 Vise justification rod, second, sleeve (42 em)
 E-4587 Vise justification rod, first, sleeve (30 em)
 E-4588 Vise justification rod, second, sleeve (30 em)
 F- 32 Vise closing lever spring
 F- 35 Vise closing lever spring adjusting nut 7/8"-9 x 1 7/16"
 F-1155 Vise closing lever spring, assembled (30 em)
 F-4108 Vise closing lever spring, assembled (42 em)

Parts Not Illustrated

- E-2029 Vise justification rod, second, assembled (30 em)
 E-2080 Vise justification rod, first, assembled (30 em)
 E-2081 Vise justification rod, first, assembled (42 em)
 E-2095 Vise justification rod, second, assembled (42 em)

Please Give Model and Serial Number When Ordering



BB-50 (30 EM)
BB-457 (42 EM)



E-3616



E-3614 (30 EM)
E-3618 (42 EM)



B-26 (30 EM)
B-543 (42 EM)



A-901



B-85



BB-148



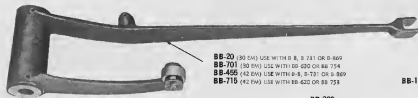
E-3613



BB-625 (30 EM)



E-3615 (30 EM)
E-3617 (42 EM)



BB-20 (30 EM) USE WITH B, B-731 OR B-869
BB-701 (30 EM) USE WITH BB-620 OR BB-754
BB-459 (42 EM) USE WITH B-8, B-731 OR B-869
BB-710 (42 EM) USE WITH BB-620 OR BB-754

BB-178 (30 EM) ASSEMBLED (WITH B-8)
BB-619 (30 EM) ASSEMBLED (WITH BB-620)
BB-456 (42 EM) ASSEMBLED (WITH BB-620)



E-3619 (30 EM)
E-3620 (42 EM)



B-8 (30 EM)
B-731 (1/8" OVERSIZE)



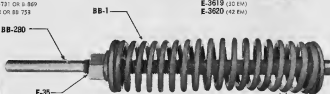
B-869 (1/8" OVERSIZE)



B-872
USED WITH B-869



BB-663



BB-284 ASSEMBLED (30 EM)
BB-466 ASSEMBLED (42 EM)

11/32" DIA



BB-620 (30 EM)
BB-753 (1/8" OVERSIZE)



BB-626
USED WITH
BB-620, BB-753



BB-630 (30 EM)
BB-754 (1/8" OVERSIZE)



BB-634
USED WITH
BB-630
BB-754



D-3325



BB-238



ASSEMBLED
BB-622 (30 EM) A=1 39/64"
BB-632 A=1 45/64"



ASSEMBLED
BB-482 (42 EM) 625" DIA) A=1 1/2"
BB-483 (42 EM) 625" DIA) A=1 5/8"
E-77 (375" DIA) A=1 0625"



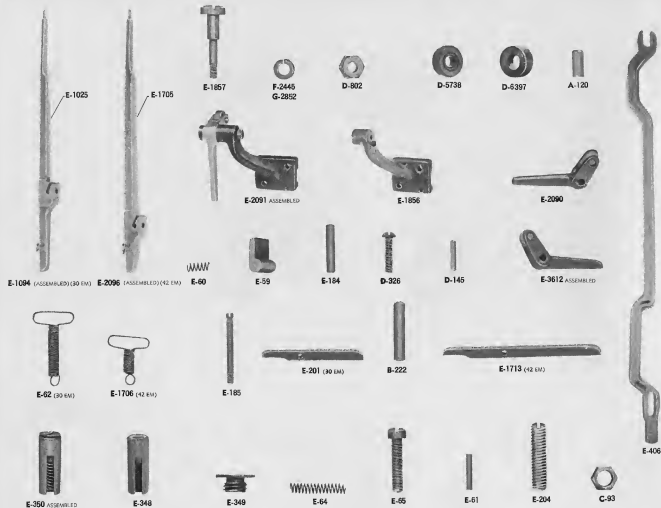
BB-5

A- 901 Justification and vise closing lever shaft oil hole cover
 A- 901 Justification lever oil hole cover
 B- 6 Justification cam roll
 B- 26 Justification lever shaft sleeve (30 em)
 B- 65 Justification and vise closing lever shaft set screw 3/8"-16 x 3/4"
 B- 543 Justification lever shaft sleeve (42 em)
 B- 731 Justification cam roll (over size)
 B- 669 Justification cam roll
 B- 672 Justification cam roll, anti-friction roll (use with B-889)
 BB- 1 Justification lever spring
 BB- 5 Justification lever spring washer, lower
 BB- 20 Justification lever (30 em) (use with B-8, B-731 or B-889)
 (5-29-30-31-32)
 BB- 80 Justification and vise closing lever shaft (30 em)
 BB-148 Vise justification bar hinge pin screw 8-32 x 5/16"
 BB-148 Vise justification bar brace hinge pin screw 8-32 x 5/16"
 BB-178 Justification lever, assembled (use with B-8) (5-29-30-31-32)
 BB-238 Justification lever spring washer, upper
 BB-260 Justification lever spring rod
 BB-284 Justification lever spring, assembled (30 em)
 BB-455 Justification lever (42 em) (use with B-8, B-731 or B-889)
 BB-456 Justification lever, assembled (42 em) (use with BB-620)
 BB-457 Justification and vise closing lever shaft (42 em)
 BB-466 Justification lever spring, assembled (42 em)
 BB-483 Justification cam roll pin, assembled (42 em) .625" x 1 19/32"
 BB-619 Justification lever, assembled (30 em) (use with BB-630)

BB-620 Justification cam roll
 BB-621 Justification lever (30 em) (use with BB-630)
 BB-622 Justification cam roll pin, assembled (30 em)
 BB-625 Justification cam roll pin plate screw (30 em) 8-32 x 5/16"
 BB-626 Justification cam roll anti-friction roll, assembled
 BB-630 Justification cam roll (30 em)
 BB-634 Justification cam roll anti-friction roll, assembled (30 em)
 (use with BB-830 and BB-754)
 BB-663 Justification cam roll
 BB-701 Justification lever (30 em) (use with BB-830 or BB-754)
 BB-715 Justification lever (42 em) (use with BB-620 or BB-753)
 BB-753 Justification cam roll (oversize)
 BB-754 Justification cam roll (oversize)
 D-3326 Justification cam roll pin plate screw
 E- 77 Vise justification bar hinge pin, assembled
 E- 77 Vise justification bar brace hinge pin, assembled
 E-3613 Vise justification bar brace screw
 E-3614 Vise justification bar brace
 E-3615 Vise justification bar (30 em)
 E-3617 Vise justification bar (42 em)
 E-3618 Vise justification bar brace (42 em)
 E-3619 Vise justification bar (30 em)
 E-3620 Vise justification bar (42 em)
 E-3816 Vise justification bar brace hinge pin screw lock washer
 F- 35 Justification lever spring adjusting nut 7/8"-9 x 1 7/16"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering

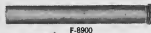


- A- 120 Vise automatic stop rod lever roll pin 1/4" x 9/16"
- B- 222 Vise automatic stop lever hinge pin 1/4" x 1 3/16"
- C- 93 Vise automatic stop screw nut 3/8"-16 x 1/2"
- D- 145 Vise automatic stop rod lever bracket dowel 1/8" x 5/8"
- D- 326 Vise automatic stop rod lever bracket screw 8-32 x 3/4"
- D- 802 Vise automatic stop rod lever screw nut 8-32 x 5/16"
- D-5738 Vise automatic stop rod lever roll (ball bearing)
- D-6397 Vise automatic stop rod lever roll (solid)
- E- 59 Vise automatic stop rod pawl
- E- 60 Vise automatic stop rod pawl spring
- E- 61 Vise automatic stop mold disk dog pin 1/8" x 3/4"
- E- 62 Vise automatic stop rod spring (30 em)
- E- 64 Vise automatic stop mold disk dog spring
- E- 65 Vise automatic stop mold disk dog screw
- E- 184 Vise automatic stop rod pin 3/16" x 1"
- E- 185 Vise automatic stop rod guide stud
- E- 201 Vise automatic stop lever (30 em)
- E- 204 Vise automatic stop screw 3/8"-16 x 7/16"

Parts are for All Models Unless Otherwise Specified

- E- 348 Vise automatic stop mold disk dog
- E- 349 Vise automatic stop mold disk dog buffer screw 7/16"-16 x 1/4"
- E- 350 Vise automatic stop mold disk dog, assembled
- E- 406 Vise automatic stop connecting bar
- E-1025 Vise automatic stop rod
- E-1094 Vise automatic stop rod, assembled (30 em)
- E-1705 Vise automatic stop rod (42 em)
- E-1706 Vise automatic stop rod spring (42 em)
- E-1713 Vise automatic stop lever (42 em)
- E-1856 Vise automatic stop rod lever bracket
- E-1857 Vise automatic stop rod lever screw
- E-2090 Vise automatic stop rod lever
- E-2091 Vise automatic stop rod lever bracket, assembled
- E-2096 Vise automatic stop rod, assembled (42 em)
- E-3612 Vise automatic stop rod lever roll, assembled
- F-2445 Vise automatic stop rod lever screw lock washer
- G-2852 Vise automatic stop rod lever screw lock washer 5/32" x 3/64" x 1/32"

Please Give Model and Serial Number When Ordering

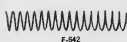
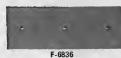


A-1025 ASSEMBLED



F-7148 (BACK) (30 EM)

F-6835 (FRONT) (30 EM)



- A- 38 Mold turning gear cover screw 14-24 x 3/4"
- A- 901 Mold turning square block shaft oil hole cover
- A- 901 Mold driving pinion shaft oil hole cover
- A-1012 Mold turning gear cover
- A-1025 Mold turning gear cover, assembled
- B- 99 Mold turning bevel pinion facing screw 8-32 x 3/8"
- B- 237 Mold driving pinion shaft friction clamp spring bolt
nut 1/4"-24 x 1/2"
- B8- 47 Mold disk pinion flange and shaft pin 1/4" x 1 3/8"
- B8-148 Mold turning cam shoe wiper bracket screw 8-32 x 5/16"
- C- 349 Mold turning cam shoe wiper
- C- 350 Mold turning cam shoe wiper bracket
- C-2007 Mold turning cam shoe felt retaining wire
- E- 424 Mold driving pinion shaft friction clamp collar
set screw 1/4"-24 x 13/64"
- F- 16 Mold driving pinion shaft friction clamp spring
screw 1/4"-24 x 2 1/4"
- F- 66 Mold driving gear
- F- 68 Mold driving pinion
- F- 202 Mold turning bevel pinion set screw 1/4"-24 x 3/8"
- F- 214 Mold disk pinion flange pin 5/16" x 2 3/8"
- F- 215 Mold driving pinion pin 1/4" x 1 3/4"
- F- 642 Mold disk pinion spring
- F- 643 Mold disk pinion spring screw
- F- 644 Mold driving pinion shaft
- F- 711 Mold disk pinion flange and shaft, assembled
- F- 714 Mold driving pinion shaft friction clamp lining
- F- 715 Mold driving pinion shaft friction clamp lining pin 1/8" x 3/8"

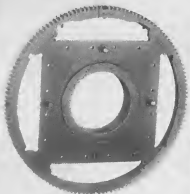
Parts are for All Models Unless Otherwise Specified

- F- 716 Mold driving pinion shaft friction clamp spring
- F- 717 Mold driving pinion shaft friction clamp spring washer
- F- 719 Mold driving pinion shaft friction clamp spring
screw 1/4"-24 x 1 7/8"
- F- 721 Mold turning bevel pinion
- F- 722 Mold turning bevel pinion facing
- F- 723 Mold driving gear key .250" x 13/16"
- F- 724 Mold turning bevel pinion, assembled
- F- 829 Mold disk pinion flange, assembled
- F-2245 Mold disk pinion driving pin bushing
- F-2251 Mold disk pinion and bushing, assembled (30 em)
- F-2252 Mold disk pinion and driving pinion, assembled (30 em)
- F-3327 Mold disk pinion driving pin
- F-3495 Mold driving pinion shaft friction clamp
- F-3496 Mold driving pinion shaft friction clamp, assembled
- F-3738 Mold disk pinion and bushing, assembled (42 em)
- F-3739 Mold disk pinion and driving pinion, assembled (42 em)
- F-6195 Mold driving pinion shaft oil hole cover, front
- F-6195 Mold turning square block shaft oil hole cover
- F-6835 Mold driving pinion shaft friction clamp, front (30 em)
- F-6836 Mold driving pinion shaft friction clamp lining (30 em)
- F-6837 Mold driving pinion shaft friction clamp, assembled (30 em)
- F-7148 Mold driving pinion shaft friction clamp, back
- F-7847 Mold turning gear cover screw lock washer
- F-8900 Mold turning square block shaft
- G-3092 Mold driving pinion shaft friction clamp collar
- H- 535 Mold turning cam shoe wiper bracket screw washer

Please Give Model and Serial Number When Ordering



*F-1270 (2 U.A. AND 1 H.L.) (30 EM)
F-1273 (2 H.L.) (30 EM)
F-1491 (2 U.A.) (30 EM)

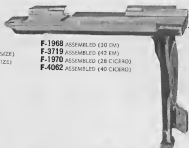


*F-1271 (2 U.A. AND 2 H.L.) (30 EM)
F-1355 (4 U.A.) (30 EM)
F-1572 (3 U.A. AND 1 H.L.) (30 EM)
F-1646 (4 H.L.) (30 EM)
F-1871 (1 U.A. AND 3 H.L.) (30 EM)
F-4445 (4 H.L.) (42 EM)

*U.A. — UNIVERSAL ADJUSTABLE
H.L. — HEAD LETTER



F-14 SHORT
F-594 LONG
F-6679 SHORT (OVERSIZE)
F-6678 LONG (OVERSIZE)
F-3969 (42 EM)



F-1968 ASSEMBLED (10 EM)
F-3719 ASSEMBLED (42 EM)
F-1970 ASSEMBLED (28 CICERO)
F-4062 ASSEMBLED (40 CICERO)



F-1620 (30 EM)
F-3718 (42 EM)
F-1627 (28 CICERO)
F-4061 (40 CICERO)



D-168



F-1264



F-1265



F-1266



BB-134



E-999 (30 EM)
E-1598 (28 CICERO)



E-1811 (42 EM) (42.45 PT.)
E-1817 (42 EM)
E-1828 (40 CICERO)



H-602 (42 EM)



F-1190 (30 EM)



F-3736 (42 EM)



F-7847



F-248



F-4604



E-2098 (30 EM)
(42.45 PT.)



C-287



H-457



F-4464 (42 EM)



F-4443 (42 EM)

F-4442 (42 EM)



F-4455 (42 EM)



F-1692 (30 EM)



F-2954 (30 EM)
ASSEMBLED



F-2920 (30 EM)



F-810 (42 EM)



F-4497 (10 32 X 11/32") (42 EM)
G-274 (8 32 X 3/8")



F-1693 (30 EM)

F-2919

- BB-134 First elevator slide safety stop dowel (head-letter mold) 1/8" x 3/8"
 C- 297 Knife, back, adjusting screw nut 5/16"-18 x 1/2"
 D- 168 Mold disk slide facing screw 4-48 x 1/4"
 E- 989 First elevator slide safety stop (head-letter mold) (30 em)
 E-1598 First elevator slide safety stop, didot (head-letter mold) (28 cicero)
 E-1811 First elevator slide safety stop (42 em) (42-48 point)
 E-1817 First elevator slide safety stop (head-letter mold) (42 em)
 E-1828 First elevator slide safety stop, didot (head-letter mold) (40 cicero)
 E-2098 First elevator slide safety stop (30 em) (42-48 point)
 F- 14 Mold cap clamping screw, short (30 em) 1/4"-24 x 1/2"
 F- 248 Knife, back, adjusting screw 5/16"-18 x 1 1/2"
 F- 584 Mold cap clamping screw, long (30 em) 1/4"-24 x 19/32"
 F- 810 Mold disk stud screw (42 em) 1/4"-24 x 1 3/8"
 F-1190 Knife, back (30 em)
 F-1264 Mold disk locking stud
 F-1265 Mold disk locking stud keeper
 F-1266 Mold disk locking stud keeper screw 1/4"-32 x 13/32"
 F-1270 Mold disk, water-cooled, one universal adjustable and one head-letter, assembled (30 em)
 F-1271 Mold disk, water-cooled, two universal adjustable and two head-letter, assembled (30 em)
 F-1273 Mold disk, water-cooled, two head-letter, assembled (30 em)
 F-1355 Mold disk, water-cooled, four universal adjustable, assembled (30 em)
 F-1491 Mold disk, water-cooled, two universal adjustable, assembled (30 em)
 F-1572 Mold disk, water-cooled, three universal adjustable and one head-letter, assembled (30 em)
 F-1620 Mold disk slide facing (30 em)
 F-1627 Mold disk slide facing, didot (28 cicero)
 F-1646 Mold disk, water-cooled, four head-letter, assembled (30 em)
 F-1692 Mold disk plate (30 em)

- F-1693 Mold disk plate screw (30 em) 3/8"-16 x 2 3/4"
 F-1871 Mold disk, water-cooled, one universal adjustable and three head-letter, assembled (30 em)
 F-1968 Mold disk slide and facing, assembled (30 em)
 F-1970 Mold disk slide, didot, and facing, assembled (28 cicero)
 F-2919 Mold disk stud
 F-2920 Mold disk stud plug (30 em)
 F-2954 Mold disk stud, assembled (30 em)
 F-3718 Mold disk slide facing (42 em)
 F-3719 Mold disk slide and facing, assembled (42 em)
 F-3736 Knife, back (42 em)
 F-3969 Mold cap clamping screw (42 em) 1/4"-24 x 3/4"
 F-4061 Mold disk slide facing, didot (40 cicero)
 F-4062 Mold disk slide, didot, and facing, assembled (40 cicero)
 F-4442 Mold disk stud (42 em)
 F-4443 Mold disk stud plate (42 em)
 F-4445 Mold disk, water-cooled, assembled (42 em)
 F-4464 Mold disk stud, assembled (42 em)
 F-4465 Mold disk stud plate gasket (42 em)
 F-4497 Mold disk stud plate screw (42 em) 10-32 x 11/32"
 F-4604 Knife, back, screw 14-24 x 1"
 F-6678 Mold cap clamping screw, long 1/4"-24 x 19/32" oversize
 F-6679 Mold cap clamping screw, short 1/4"-24 x 1/2" oversize
 F-7847 Knife, back, screw lock washer
 G- 274 First elevator slide safety stop screw 8-32 x 3/8"
 H- 457 Knife, back, screw washer
 H- 602 Mold disk slide extension screw (42 em) 3/8"-16 x 2 1/4"

Parts Not Illustrated

- F-3207 Mold disk (water cooled) (2 U.A. and 2 H.L.) and slide, assembled
 F-3722 Mold disk slide extension (42 em)

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



F-7572 (30 EM)
F-7576 (30 EM)
(5X POCKET MOLD DISK)



F-1197 (30 EM)



F-1198 (30 EM)



F-7511 (42 EM)



F-58



A-116



F-8660

F-8673 ASSEMBLED



F-6661



F-3734 (42 EM)



F-3735 (42 EM)



J-1228



D-3042



F-7570 (30 EM)



D-142



F-7573 (30 EM)



I-2540



F-7821

A- 116 Mold disk guide support screw nut 1/2"-12 x 7/8"
D- 142 Mold disk slide safety stop link bracket screw
D-3042 Mold disk slide safety stop link adjusting screw
F- 58 Mold disk guide screw
F-1197 Mold disk guide, upper (30 em)
F-1198 Mold disk guide, lower (30 em)
F-3734 Mold disk guide, upper (42 em)
F-3735 Mold disk guide, lower (42 em)
F-6660 Mold disk guide support screw
F-6661 Mold disk guide, lower, lubricator, assembled

Parts are for All Models Unless Otherwise Specified

F-6673 Mold disk guide support screw and lubricator, assembled
F-7511 Mold disk guide, lower, lubricator angle extension (42 em)
F-7570 Mold disk slide safety stop link, bracket (30 em)
F-7572 Mold disk guide screw, upper (30 em)
F-7573 Mold disk slide safety stop link (30 em)
F-7576 Mold disk guide, upper, screw (30 em) (six pocket mold disk)
F-7821 Mold disk slide safety stop link hinge screw
F-7821 Mold disk slide safety stop link stop screw
I-2540 Mold disk slide safety stop link bracket screw washer
J-1228 Mold disk slide safety stop link adjusting screw locknut

Please Give Model and Serial Number When Ordering



E-184



E-995 ASSEMBLED



E-998



E-996



E-537



D-107



E-53



E-2061 ASSEMBLED



H-1235 (42 EM)



E-2060



E-997



E-927



E-2059



E-2058



D-1721 (30 EM)



D-2941 ASSEMBLED (42 EM)



B-99



D-232



G-3999



J-511



D-2943 (ASSEMBLED (42 EM)

D-2942 (42 EM)



F-1478 (30 EM)



F-1477 (30 EM)



F-242 (30 EM)



F-1233 (30 EM)



F-1232



H-533 (42 EM)



F-1621 ASSEMBLED



F-1479



F-1236



F-1696



F-4449 (42 EM)



F-4450 (42 EM)

F-4451 (42 EM) (3 5/8" L)
F-7347 (42 EM) (4 1/2" L)

F-4452 (42 EM)



F-4453 (42 EM)



F-4454 (42 EM)



F-4447 (42 EM)



F-4448 (42 EM)



F-4455 (42 EM)



F-4456 (42 EM)



F-112 (42 EM)



F-4077 (42 EM)



I-576



A-785



A-828



A-827

A- 785 Combination name plate and mold name plate holder rivet
 A- 827 Combination name plate and mold name plate holder clip
 A- 828 Combination name plate and mold name plate holder clip rivet
 B- 99 Mold disk shield screw 8-32 x 3/8"
 D- 107 Mold disk locking stud block screw washer
 D- 232 Mold disk shield support screw 8-32 x 1/4" x .317"
 D-1721 Mold disk shield (30 em)
 D-2941 Mold disk shield, assembled (42 em)
 D-2942 Mold disk guard (42 em)
 D-2943 Mold disk guard, assembled (42 em)
 E- 53 Mold disk locking stud block, l.h., holder screw
 E- 53 Mold disk locking stud block, r.h., screw
 E- 184 Mold disk locking stud block dowel 3/16" x 1"
 E- 327 Mold disk locking stud block, r.h., wiper plunger spring
 E- 537 Mold disk locking stud block, r.h.
 E- 995 Mold disk locking stud block, l.h., assembled
 E- 996 Mold disk locking stud block, l.h.
 E- 997 Mold disk locking stud block, l.h., screw
 E- 998 Mold disk locking stud block, l.h., holder
 E-2058 Mold disk locking stud block, r.h., wiper
 E-2059 Mold disk locking stud block, r.h., wiper retainer
 E-2060 Mold disk locking stud block, r.h., wiper plunger
 E-2061 Mold disk locking stud block, r.h., wiper, assembled
 F- 112 Mold disk guard chute screw (42 em) 14-24 x 3/8"
 F- 242 Mold disk pipe elbow (30 em)

F-1232 Mold disk reducing bushing (30 em)
 F-1233 Mold disk nipple (30 em)
 F-1236 Mold disk hose
 F-1477 Mold disk pipe, 5 7/8" long (30 em)
 F-1478 Mold disk pipe, 5 1/4" long (30 em)
 F-1479 Mold disk pipe tip
 F-1621 Mold disk hose, assembled
 F-1696 Mold disk nipple union
 F-4077 Mold disk guard chute (42 em)
 F-4447 Mold disk nipple, 3/4" long (42 em)
 F-4448 Mold disk nipple, 1 3/8" long (42 em)
 F-4449 Mold disk nipple, 1 3/4" long (42 em)
 F-4450 Mold disk nipple, 2 5/8" long (42 em)
 F-4451 Mold disk nipple, 3 5/8" long (42 em)
 F-4452 Mold disk nipple, bent (42 em)
 F-4453 Mold disk reducing bushing (42 em)
 F-4454 Mold disk pipe, 5 7/8" long (42 em)
 F-4455 Mold disk nipple street elbow (42 em)
 F-4456 Mold disk pipe elbow (42 em)
 F-7347 Mold disk nipple, 4 1/2" long (42 em)
 G-3999 Mold disk locking stud block screw lock washer
 H- 533 Mold disk shield stop screw (42 em)
 H-1235 Mold disk locking stud block, r.h., wiper retainer pin 1/16" x 11/32"
 I- 576 Mold name plate
 J- 511 Mold disk locking stud block, r.h., dowel 3/16" x 1/2"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



F-6310

G-2553 - 9/64" X 9/16"
E-4668 - 13/64" X 13/32"

G-2780



F-1264

F-6829 ASSEMBLED (30 EM)
F-6896 ASSEMBLED (DIDOT) (28 CHICAGO)BB-134 - 125" X 3/8"
G-397 - 125" X 11/32"
D-977 - 5/32" X 7/16"
H-557 - 7/32" X 1/2"

E-4324

E-3820 (24 1/2 EM)
E-4294 (25 1/2 EM)
E-4412 (24 1/2 EM)

F-1266



F-1266

F-14 - 1/4" 24 X 1/2"
F-584 - 1/4" 24 X 1/32"
F-3969 - 1/4" 24 X 3/4"F-4437 (30 EM)
1/4" 24 X 1/2"E-4436 (30 EM)
E-4438 (42-45 PT.)
(30 EM)

F-6830 (30 EM)



F-7730 (42-45 PT.) (30 EM)

F-6832 (30 EM)
F-7731 (42-45 PT.) (30 EM)

F-7865 (30 EM)



E-4690

D-34 - 3/8" 32 X 1/2"
F-267 - 3/8" 48 X 3/16"

F-7931

F-6827 - 1/4" 24 X 5/8"
F-6828 - 1/4" 24 X 1/2"
G-274 - 3/8" 32 X 5/8"F-6826 (30 EM)
F-7994 (30 EM)E-4784 - 1/4" 24 X 27/32" (30 EM)
F-7995 - 1/4" 24 X 3/8" (30 EM)
F-7996 - 1/4" 24 X 250" (30 EM)E-3823 (24 1/2 EM)
E-4295 (25 1/2 EM)

E-4415

E-4414 (A = 7/4") (25 1/2 EM)
E-4662 (A = 7/16") (24 1/2 EM)

G-2802



E-4665 ASSEMBLED



E-4639

E-4417 - 3/8" 48 X 3/16" X 1/2"
E-4419 - 3/8" 48 X 1/8" X 1/16"

E-4668



E-4443 (30 EM)

E-4416 (30 EM) A = 8/10"
E-4663 (30 EM) A = 7/16"

BB-134 First elevator slide safety stop dowel 1/8" x 3/8"
 BB-134 Vise jaw, l.h., safety stop pin 1/8" x 3/8"
 D- 34 Mold banking block, lower, screw 8-32 x 1/2"
 D- 977 Mold banking block, lower, dowel 5/32" x 5/8"
 E-3820 First elevator slide safety stop (24 1/2 em)
 E-3820 Vise jaw, l.h., safety stop
 E-3822 Mold banking block, lower
 E-3823 Mold banking block, upper (24 1/2 em)
 E-4294 First elevator slide safety stop (25 1/2 em)
 E-4295 Mold banking block, upper (25 1/2 em)
 E-4324 First elevator slide safety stop plate, six-pocket mold disk
 E-4412 First elevator slide safety stop (45 point) (24 1/2 em)
 E-4415 Mold banking block, lower, banking slide cover
 E-4417 Mold banking block, lower, hinged block stud
 E-4418 Mold banking block, lower, hinged block spring
 E-4419 Knife wiper bar retaining stud
 E-4436 First elevator slide safety stop (30 em)
 E-4437 First elevator slide safety stop screw (30 em) 1/4"-24 x .892"
 E-4438 First elevator slide safety stop (head-letter) (42-45 point)
 (six pocket) (30 em)
 E-4443 Mold banking block, upper (30 em)
 E-4539 Mold banking block, lower, hinged block stop pin and
 spring retainer
 E-4661 Mold banking block, lower, bracket (six pocket) (30 em)
 E-4662 Mold banking block, lower, banking slide (30 em)
 E-4663 Mold banking block, lower, hinged block (six pocket) (30 em)
 E-4665 Mold banking block, lower, assembled (six pocket)
 E-4668 Mold banking block, lower, banking slide spring
 (six pocket) (30 em)
 E-4690 Mold banking block, lower, screw lock washer
 E-4784 First elevator slide safety stop, l.h., screw (six pocket) (30 em)
 F- 14 Mold disk, water-cooled, mold cap clamping
 screw, short 1/4"-24 x 1/2"
 F- 267 Mold banking block, lower, banking slide cover screw 6-48 x 3/16"
 F- 584 Mold disk, water-cooled, mold cap clamping screw, short
 (30 em) 1/4"-24 x 19/32"
 F-1264 Mold disk, water-cooled, locking stud
 F-1265 Mold disk, water-cooled, locking stud keeper

F-1266 Mold disk, water-cooled, locking stud keeper screw 1/4"-32 x 19/32"
 F-3969 Mold disk, water-cooled, mold cap clamping
 screw, long 1/4"-24 x 3/4"
 F-6310 Mold disk pinion lock arm
 F-6826 Mold disk, water-cooled, reinforcing plate (30 em)
 (used with F-6827 and F-6828)
 F-6827 Mold disk, water-cooled, reinforcing plate screw,
 long 1/4"-24 x 5/8"
 F-6828 Mold disk, water-cooled, reinforcing plate screw,
 short 1/4"-24 x 1/2"
 F-6829 Mold disk, water-cooled, (30 em) assembled
 F-6830 Mold disk, pinion lock arm (30 em)
 F-6831 Mold disk guide, upper (30 em)
 F-6832 Mold disk guide, lower (30 em)
 F-7730 Mold disk guide, upper (six pocket) (30 em) (42-45 point)
 F-7731 Mold disk guide, lower (six pocket) (30 em) (42-45 point)
 F-7931 Mold disk pinion lock arm (six pocket)
 F-7994 Mold disk, water-cooled, reinforcing plate (six pocket)
 (30 em) used with F-7995 and F-7996
 F-7995 Mold disk, water-cooled, reinforcing plate screw, lower
 (six pocket) (30 em)
 F-7996 Mold disk, water-cooled, reinforcing plate screw, upper
 (six pocket) (30 em)
 F-8896 Mold disk, water-cooled, (six pocket) (didot) (28 cicero) assembled
 G- 274 First elevator slide safety stop screw 8-32 x 3/8"
 G- 274 Vise jaw, l.h., safety stop screw 8-32 x 3/8"
 G- 397 First elevator slide safety stop dowel (30 em) 1/8" x 11/32"
 G-2553 Mold disk pinion lock arm spring
 G-2790 Mold disk pinion lock arm spring eye
 G-2802 Mold banking block, lower, banking slide spring eye
 H- 557 Mold disk pinion lock arm fulcrum pin (six pocket)
 (30 em) 7/32" x 1/2"
 J- 175 Mold disk, water-cooled, reinforcing plate dowel (30 em) 1/8" x 3/8"

Parts Not Illustrated

F-6838 Mold disk, water-cooled (six pocket) (30 em) attachment
 F-7140 Mold disk, water-cooled, and slide (six pocket) (30 em)

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



A-900 ASSEMBLED



I-576



A-828

F-716



F-6388 ASSEMBLED



F-6312



D-4457



I-114



F-6837 ASSEMBLED (30 EM)

F-7148 (BACK) (30 EM)

F-6835 (FRONT) (30 EM)



B-237



F-717



F-6836 (30 EM)



F-16



F-719



F-6315



E-991 (30 EM)



D-1434



E-1876 (30 EM)



E-2062



E-9



E-4735 (30 EM)



E-4448 (30 EM)

E-4449 (12-45 PT.) (30 EM)



E-4447 (30 EM) A= .052" LIP

E-4739 (30 EM) A= .098" LIP

E-3825 (24 1/2 EM)
E-4252 (25 1/2 EM)
E-4439 (30 EM)E-3824 (24 1/2 EM)
E-4291 (25 1/2 EM)
E-4440 (30 EM)

E-3825

E-3827
E-4441 (30 EM)

E-1526 ASSEMBLED



H-353



G-643



E-4426 (45 PT.)



E-3828

E-4425
ASSEMBLED

E-4424



G-829



G-274



E-4423

- A- 828 Mold name plate holder clip rivet
 A- 873 Mold name plate holder clip
 A- 900 Combination nameplate and moldplate holder, assembled
 B- 237 Mold driving pinion shaft friction clamp spring
 bolt nut 1/4"-24 x 1/2"
 D- 341 Ejector blade controller lever stop screw
 (24 1/2 em-25 1/2 em-22 3/4 cicero) 1/4"-24 x 15/16"
 D-1434 Delivery slide bar (specify for use with six pocket mold disk)
 D-1752 Vise jaw, l.h., adjusting rod locking block stop screw 4-48 x .200"
 D-4497 Mold disk shield
 E- 9 First elevator jaw, back, guard screw 1/4"-24 x 7/8"
 E- 991 First elevator slide safety stop plate stud (30 em)
 E-1526 Knife, r.h., spring plate, assembled (specify for use with
 six pocket mold disk)
 E-1876 Vise jaw, l.h., adjusting rod (specify for use with six pocket
 mold disk)
 E-2062 Knife wiper screw (30 em) 4-48 x 13/16"
 E-3824 Knife, r.h. (24 1/2 em)
 E-3825 Knife, l.h. (24 1/2 em)
 E-3826 Knife, l.h., adjusting screw, lower
 E-3827 Knife, l.h., adjusting screw, upper
 E-3828 Knife wiper bar rod adjusting nut
 E-4291 Knife, r.h. (25 1/2 em)
 E-4292 Knife, l.h. (25 1/2 em)
 E-4324 First elevator slide safety stop plate
 E-4423 Knife wiper bar rod clamp, back section
 E-4424 Knife wiper bar rod clamp, front section
 E-4425 Knife wiper bar rod clamp, assembled
 E-4426 Knife, r.h., liner, lower (45 point)
 E-4439 Knife, l.h. (30 em)
 E-4440 Knife, r.h. (30 em)
 E-4441 Knife, l.h., adjusting screw, upper (30 em)
 E-4444 First elevator slide safety stop plate, assembled (30 em)
 E-4447 First elevator jaw (back) (30 em) (narrow spaceband slot)
 E-4448 First elevator jaw, back, guard (30 em)
 E-4449 First elevator jaw, back, guard (42-45 point) (30 em)
 E-4541 Vise jaw, l.h., adjusting rod locking block stop screw (25 1/2 em)
 8-32 x 1.475"

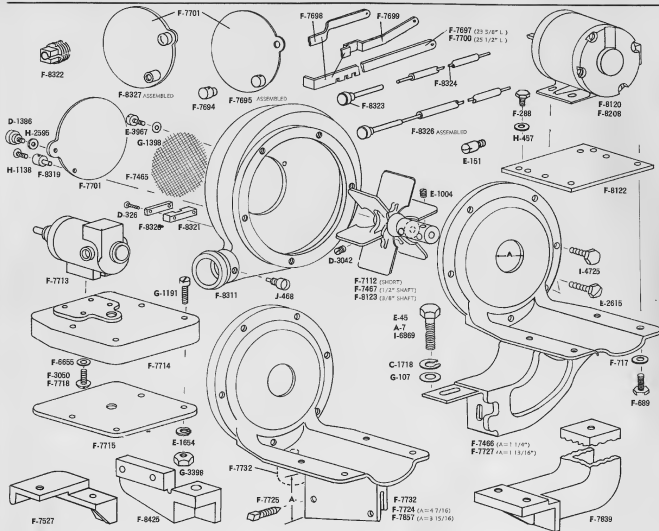
Parts are for All Models Unless Otherwise Specified

- E-4542 Vise jaw, l.h., adjusting rod locking block stop screw (24 1/2 em)
 8-32 x 1.640"
 E-4586 Vise jaw, l.h., adjusting rod locking block stop screw (22 3/4 cicero)
 8-32 x 1.610"
 E-4735 First elevator slide safety stop plate (30 em)
 E-4739 First elevator jaw, back (30 em) (18 pt. two-letter matrix)
 E-5888 Knife wiper
 E-5889 Knife wiper bar (four pocket)
 E-5890 Knife wiper bar (six pocket)
 E-5891 Knife wiper bar, assembled (four pocket)
 E-5892 Knife wiper bar, assembled (six pocket)
 E-5927 First elevator jaw (back) (.038" lip)
 E-5928 First elevator jaw (back) (.038" lip)
 F- 16 Mold driving pinion shaft friction clamp spring
 screw 1/4"-24 x 2 1/4"
 F- 716 Mold driving pinion shaft friction clamp spring
 F- 717 Mold driving pinion shaft friction clamp spring washer
 F- 719 Mold driving pinion shaft friction clamp spring
 screw 1/4"-24 x 1 7/8"
 F-6312 Mold disk pinion driving pin
 F-6315 Ejector blade controller lever stop
 F-6388 Mold disk pinion and bushing, assembled
 F-6835 Mold driving pinion shaft friction clamp (30 em)
 F-6836 Mold driving pinion shaft friction clamp lining (30 em)
 F-6837 Mold driving pinion shaft friction clamp, assembled (30 em)
 F-7148 Mold driving shaft friction clamp, back (30 em)
 G- 274 Knife wiper bar rod clamp screw 8-32 x 3/8"
 G- 643 Knife wiper dowel 3/64" x 9/64"
 G- 829 Knife wiper bar rod clamp set screw 4-48 x 3/16"
 H- 353 First elevator slide safety stop plate screw 8-32 x 3/8"
 I- 114 First elevator slide safety stop plate dowel 1/8" x 1/4"
 I- 576 Mold name plate
 I- 831 First elevator jaw, back, guard dowel (30 em) 3/16" x 11/16"

Parts Not Illustrated

- E-5945 First elevator jaw (.038" lip) assembled
 F-7145 Mold disk pinion and driving pinion (six pocket) (30 em) assembled

Please Give Model and Serial Number When Ordering



- A- 7 Air cooled mold blower tube housing cover and bracket screw
1/2"-12 x 13/16" (Models 33-34-35-36)
- A- 622 Air cooled mold blower housing cover and motor bracket support screw 1/2"-12 x 1 3/4" x 4 1/4" (for use with old base and Cline or G.E. Motor) (30 em)
- B- 584 Air cooled mold blower intake cover link stud cotter pin
- C- 299 Air cooled mold blower housing cover and motor bracket support screw nut 1/2"-12 x 3/6" x 7/8" (for use with old base and Cline or G.E. motor) (30 em)
- C-1502 Air cooled mold blower housing cover and motor bracket, auxiliary, bracket screw lock washer 3/8" x 3/32" x 5/64" (72-90) (Models 34-35)
- C-1718 Air cooled mold blower housing cover and motor bracket screw lock washer 1/2" x .171" x .125" (Models 33-34-35-36)
- D- 326 Air cooled mold blower housing cover operating wire bearing upper cap screw 8-32 x 3/4" x 55/64"
- D-1386 Air cooled mold blower housing intake cover screw 8-24 x 1/4"
- D- 304 Air cooled mold blower (rotor) set screw 8-32 x 1 1/4" (for use with 25 cycle motor)
- E- 45 Air cooled mold blower housing cover and motor bracket screw 1/2"-12 x 3 1/4"
- E- 151 Starting and stopping lever link screw
- E-1654 Air cooled mold blower motor base screw nut lock washer 1/4" x 1/16" x 3/64" (for use with 25 cycle motor)
- E-1654 Air cooled mold blower motor screw lock washer 1/4" x 1/16" x 3/64" (for use with 25 cycle motor)
- E-2615 Air cooled mold blower housing cover screw, lower
- E-3967 Air cooled mold blower housing intake guard retaining screw 8-32 x 7/32" x 9/32"
- F- 288 Air cooled mold blower motor mounting plate screw 1/4"-24 x 3/8" x 1/2"
- F- 689 Air cooled mold blower motor screw 1/4"-24 x 3/4"
- F- 717 Air cooled mold blower motor screw washer 1/4" x 9/16" x 3/64"
- F-3050 Air cooled mold blower motor screw 1/4"-20 x 5/8" x 13/16" x 7/16" (for use with 25 cycle motor)
- F-6655 Air cooled mold blower screw lock washer .190" x .237" x 3/64" (for use with 25 cycle motor)
- F-7465 Air cooled mold blower housing intake guard
- F-7466 Air cooled mold blower housing cover and motor bracket "A"=1 1/4"
- F-7467 Air cooled mold blower rotor (42 em) ("A"=.500" shaft)
- F-7527 Air cooled mold blower housing cover and motor bracket auxiliary bracket (for use with bracket F-7732)
- F-7695 Air cooled mold blower housing intake cover, assembled
- F-7697 Air cooled mold blower intake cover link (42 em)
- F-7698 Air cooled mold blower intake cover link
- F-7699 Air cooled mold blower intake cover link
- F-7700 Air cooled mold blower intake cover link (30 em)
- F-7701 Air cooled mold blower intake cover
- F-7712 Air cooled mold blower rotor (for use with 25 cycle motor)
- F-7713 Air cooled mold blower motor (A.C.) (25 cycle)
- F-7714 Air cooled mold blower motor base (for use with 25 cycle motor)
- F-7715 Air cooled mold blower base bottom plate (for use with 25 cycle motor)
- F-7718 Air cooled mold blower motor screw 10-24 x 3/4 x 21/64" (for use with 25 cycle motor)
- F-7724 Air cooled mold blower housing cover and motor bracket (30 em) ("A"=4 7/16") (for use with old base and Emerson motor)
- F-7725 Air cooled mold blower housing cover and motor bracket screw 3/8-16 x 1 1/2 x 3/8 (for use with old base and Emerson motor)

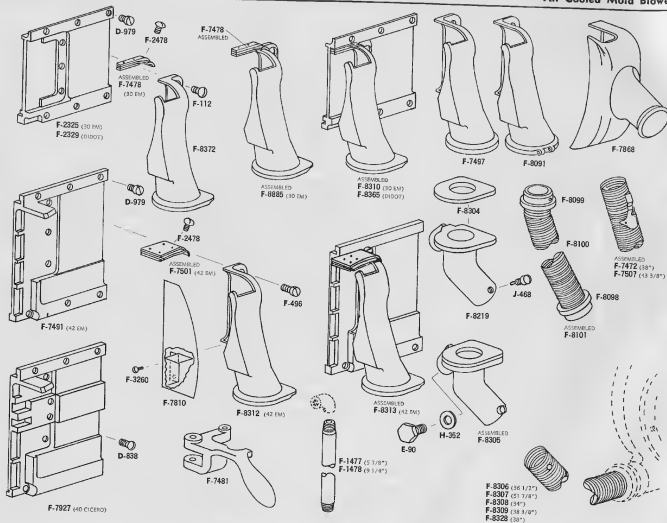
Parts are for All Models Unless Otherwise Specified

- F-7727 Air cooled mold blower housing cover and motor bracket ("A"=1 13/16") (42 em) (for use with old base and Emerson motor)
- F-7732 Air cooled mold blower housing cover and motor bracket (for use with auxiliary bracket F-7527) (for use with old base, Cline and Emerson motor)
- F-7839 Air cooled mold blower housing and motor bracket, auxiliary, bracket (72-90) (Models 34 and 36)
- F-7857 Air cooled mold blower housing and cover bracket (42 em) (for use with old base and Emerson motor)
- F-8120 Air cooled mold blower motor (A.C.) (specify voltage)
- F-8122 Air cooled mold blower motor mounting plate
- F-8123 Air cooled mold blower rotor (3/8" shaft)
- F-8208 Air cooled mold blower motor (D.C.) (specify voltage)
- F-8311 Air cooled mold blower housing
- F-8319 Air cooled mold blower housing cover operating wire anchor
- F-8320 Air cooled mold blower housing cover operating wire bearing, upper cap
- F-8321 Air cooled mold blower housing cover operating wire bearing, upper
- F-8322 Air cooled mold blower housing cover operating wire bearing, lower
- F-8323 Air cooled mold blower housing cover operating wire knob
- F-8324 Air cooled mold blower housing cover operating wire
- F-8326 Air cooled mold blower housing cover operating wire and knob, assembled
- F-8327 Air cooled mold blower housing intake cover assembly
- F-8425 Air cooled mold blower housing cover and motor bracket, auxiliary, bracket (Models 34-36)
- G- 107 Air cooled mold blower housing cover and motor bracket screw washer .510" x 15/16" x .125"
- G-1191 Air cooled mold blower motor base screw 1/4"-24 x 1 1/2" x 1 11/16" x 3/8" (for use with 25 cycle motor)
- G-1398 Air cooled mold blower housing intake guard retaining screw washer .166" x 5/16" x 1/16"
- G-1398 Air cooled mold blower motor base screw nut 1/4"-24 x 1/8" x 3/8" (for use with 25 cycle motor)
- H- 457 Air cooled mold blower motor mounting plate screw washer 1/64 x 5/8" x 1/16"
- H-1138 Air cooled mold blower housing operating wire anchor screw 5-40 x 1/4"
- H-2595 Air cooled mold blower housing intake cover screw washer .252" x 9/16" x 3/64"
- I-4725 Air cooled mold blower housing cover screw (upper) (42 em) 1/4"-24 x 9/16"
- I-6869 Air cooled mold blower housing cover and motor screw 1/2"-12 x 2 9/16" x 3 1/16"
- J- 468 Air cooled mold blower tube retaining screw 10-28 x .292" x .151"

Parts Not Illustrated

- F-7554 Air cooled mold blower housing and motor, assembled (specify electrical characteristics)
- F-7719 Air cooled mold blower housing and motor, assembled (specify electrical characteristics) (25 cycle)
- F-7726 Air cooled mold blower housing and motor, assembled (specify electrical characteristics) (50 cycle) (for use with old base and Emerson motor)
- F-7864 Air cooled mold blower housing and motor, assembled (specify electrical characteristics) (60 cycle)

Please Give Model and Serial Number When Ordering

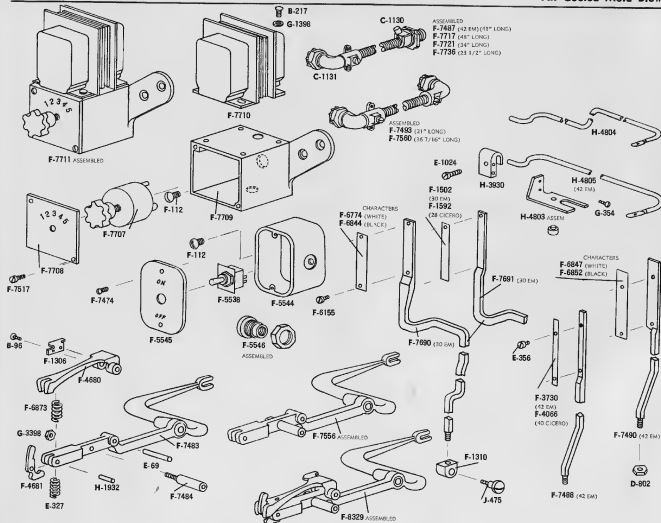


- D- 838 Air cooled mold blower tube nozzle screw
(10-32 x 9/16" x 11/18" x 21/64") (42 em-40 cicero)
- D- 979 Ejector blade guide screw (10-32 x 3/8" x 5/16" x 9/32")
- E- 90 Air cooled mold blower tube nozzle extension screw
(3/8-18 x 1 1/4" x 9/32" x 9/16")
- F- 112 Air cooled mold blower tube nozzle screw (30 em)
(14-24 x 5/8" x 1/2" x 19/64")
- F- 496 Air cooled mold blower tube nozzle screw (42 em)
(1/4-24 x .715" x 1/2" x 7/16")
- F-1477 Mold disk pipe (42 em) (5 7/8" long)
- F-1478 Mold disk pipe (42 em) (9 1/4" long)
- F-2325 Ejector blade guide (30 em)
- F-2329 Ejector blade guide (didot)
- F-2478 Air cooled mold blower tube nozzle baffle plate screw
(6-32 x 1/2" x 1/4")
- F-3260 Air cooled mold blower tube nozzle deflecting plate screw
(6-32 x 3/16" x 1/4")
- F-7472 Air cooled mold blower tube, assembled (42 em) (38" long)
- F-7478 Air cooled mold blower tube nozzle baffle plate, assembled
(30 em or didot)
- F-7481 Starting and stopping handle
- F-7491 Ejector blade guide (42 em)
- F-7497 Air cooled mold blower tube nozzle (42 em)
- F-7501 Air cooled mold blower tube nozzle baffle, assembled (42 em)
- F-7507 Air cooled mold blower tube, assembled (42 em) (43 3/8" long)
- F-7810 Air cooled mold blower tube deflecting plate (42 em)
- F-7868 Air cooled mold blower tube nozzle
- F-7873 Air cooled mold blower tube nozzle (F-7868) and baffle
plate, assembled
- F-7927 Ejector blade guide (40 cicero)

Parts are for All Models Unless Otherwise Specified

- F-7928 Air cooled mold blower tube nozzle (F-7868) and baffle
plate, assembled
- F-8091 Air cooled mold blower tube nozzle (42 em)
- F-8098 Air cooled mold blower tube ferrule (blower end)
- F-8099 Air cooled mold blower tube ferrule (nozzle end)
- F-8100 Air cooled mold blower tube (38" long)
- F-8101 Air cooled mold blower tube, assembled
- F-8219 Air cooled mold blower tube nozzle extension
- F-8304 Air cooled mold blower tube nozzle extension pad
- F-8305 Air cooled mold blower tube nozzle extension, assembled
- F-8306 Air cooled mold blower tube, assembled (36 1/2" long) (use with
old base and Emerson motor)
- F-8307 Air cooled mold blower tube, assembled (51 7/8" long) (use with
old base and Cline or G.E. motor)
- F-8308 Air cooled mold blower tube, assembled (34" long)
- F-8309 Air cooled mold blower tube, assembled (38 3/8" long)
- F-8310 Air cooled mold blower tube nozzle and ejector blade guide,
assembled (30 em)
- F-8312 Air cooled mold blower nozzle (42 em)
- F-8313 Air cooled mold blower nozzle, assembled (42 em)
- F-8328 Air cooled mold blower nozzle, assembled (38" long)
- F-8365 Air cooled mold blower tube nozzle and baffle plate,
assembled (didot)
- F-8372 Air cooled mold blower tube nozzle (30 em) (didot)
- F-8885 Air cooled mold blower tube nozzle and baffle plate,
assembled (30 em) (didot)
- H- 352 Air cooled mold blower tube nozzle extension screw
washer (13/32" x 3/4" x 1/16")
- J- 468 Air cooled mold blower tube retaining screw

Please Give Model and Serial Number When Ordering



- B- 96 Ejector blade controller lever latch screw 4-48 x 1/4" x 13/64"
- B- 217 Air cooled mold blower motor choke coil screw (42 em) (for use with 25 cycle motor) 8-32 x 1/4" x 19/64"
- C-1130 Air cooled mold blower motor switch armored cable connector (straight)
- C-1131 Air cooled mold blower motor switch armored cable connector (90°)
- C-1356 Air cooled mold blower motor switch armored cable connector bushing
- C-2116 Air cooled mold blower motor switch armored cable connector (90°) (for use with 25 cycle motor)
- D- 341 Air cooled mold blower motor tap switch box screw 5/8" x 7/16" (for use with 25 cycle motor)
- D- 802 Ejector blade scale bar connector nut 8-32 x 5/8"
- E- 69 Ejector blade controller lever latch handle pin .230" x 15/16"
- E- 327 Ejector blade controller lever latch handle locking piece spring
- E- 356 Ejector blade scale screw 4-48 x 3/32"
- E-1024 Keyboard locking screw lock rod support anchor block screw 1/4-24 x 3/4"
- F- 112 Air cooled mold blower motor switch box screw 14-24 x 3/8" x 7/16"
- F-1306 Ejector blade controller lever latch
- F-1310 Ejector blade scale bar connection
- F-1502 Ejector blade scale (narrow) (30 em)
- F-1592 Ejector blade scale (narrow) (28 cicero)
- F-3730 Ejector blade scale (narrow) (42 em)
- F-4056 Ejector blade scale (narrow) (40 cicero)
- F-4680 Ejector blade controller lever latch handle
- F-4681 Ejector blade controller lever latch handle locking piece
- F-5538 Air cooled mold blower motor switch (A.C. 100-125 volts)
- F-5544 Air cooled mold blower motor switch box (A.C. 100-125 volts)
- F-5545 Air cooled mold blower motor switch box cover (A.C. 100-125 volts)
- F-5546 Air cooled mold blower motor armored cable switch box bushing
- F-6155 Ejector blade scale screw 4-48 x 3/16"
- F-6774 Ejector blade scale (wide) (white characters) (30 em)
- F-6844 Ejector blade scale (wide) (black characters) (30 em)
- F-6947 Ejector blade scale (wide) (white characters) (42 em)
- F-6852 Ejector blade scale (wide) (black characters) (40 cicero)
- F-6873 Ejector blade controller lever latch handle spring 7/16" x 7/8"
- F-7474 Air cooled mold blower switch box cover screw (42 em)
- F-7483 Ejector blade controller lever (for use with 25 cycle motor)
- F-7484 Ejector blade controller lever adapter (for use with air cooled mold)
- F-7486 Air cooled mold blower motor switch armored cable (42 em) (41" long)
- F-7487 Air cooled mold blower motor switch armored cable (4 wires) assembled (42 em)
- F-7488 Ejector blade scale bar (narrow) (for use with old base A-687 and Emerson motor)
- F-7490 Ejector blade scale bar (wide) (42 em)
- F-7492 Air cooled mold blower motor cable (2 wires) (21" long)
- F-7493 Air cooled mold blower motor cable, assembled (panel box to motor)

Parts are for All Models Unless Otherwise Specified

- F-7517 Air cooled mold blower motor tap switch box cover screw 8-32 x 7/32" x 1/4" (42 em) (for use with 25 cycle motor)
- F-7556 Ejector blade controller lever assembler (for use with air cooled mold)
- F-7560 Air cooled mold blower armored cabled, assembled (2 wires) (control box to motor) Model 33
- F-7561 Air cooled mold blower armored cable (2 wires) (36 7/16" long)
- F-7690 Ejector blade scale bar (wide scale) (for use with air cooled mold in conjunction with knife (r.h.) block (adv.))
- F-7691 Ejector blade scale bar (narrow scale) (for use with air cooled mold in conjunction with knife (r.h.) block (adv.))
- F-7707 Air cooled mold blower motor tap switch (42 em) (for use with 25 cycle motor)
- F-7708 Air cooled mold blower motor tap switch box cover (42 em) (for use with 25 cycle motor)
- F-7709 Air cooled mold blower motor tap switch box (42 em) (for use with 25 cycle motor)
- F-7710 Air cooled mold blower choke coil (A.C.) (110 volts) (25 cycles) (for use with 25 cycle motor)
- F-7711 Air cooled mold blower motor tap switch, box and choke, assembled (A.C.) (110 volts) (25 cycle) (for use with 25 cycle motor)
- F-7716 Air cooled mold blower motor switch armored cable (2 wires) (42 em) (48" long) (for use with 25 cycle motor)
- F-7717 Air cooled mold blower motor switch armored cable, assembled (42 em) (2 wires) (for use with 25 cycle motor)
- F-7720 Air cooled mold blower motor switch armored cable (4 wires) (34" long)
- F-7721 Air cooled mold blower motor switch armored cable, assembled (4 wires) (for use with old base and Emerson motor)
- F-7735 Air cooled mold blower motor switch armored cable (4 wires) (23 1/2" long)
- F-7736 Air cooled mold blower motor switch armored cable, assembled (4 wires) (for use with old base and Cline or G.E. motor)
- F-8329 Ejector blade controller lever, assembled (for use with air cooled mold)
- G- 354 Keyboard locking screw lock rod support screw 8-48 x 5/16" x 1/4"
- G-1398 Air cooled mold blower motor choke coil screw washer 19 x 5/16" x 1/32"
- G-3398 Ejector blade controller lever adapter screw nut 1/4-24 x 3/8" x 1/8" (for use with air cooled mold)
- H-1932 Ejector blade controller lever latch handle locking piece pin 1/8" x 5/8"
- H-3930 Keyboard locking screw lock rod support anchor block
- H-4803 Keyboard locking screw lock rod support, assembled (for use with air cooled mold)
- H-4804 Keyboard locking screw locking rod (30 em) (for use with air cooled mold)
- H-4805 Keyboard locking screw locking rod (42 em) (for use with air cooled mold)
- J- 475 Ejector blade scale and bar screw

Please Give Model and Serial Number When Ordering



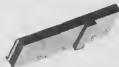
UNIVERSAL ADJUSTABLE MOLD



RECESSED MOLD



ADVERTISING MOLD



F-8314



F-8901

L.H. LINER
U.A.
ADVT.L.H. LINER
RECESSEDR.H. LINER
U.A.
ADVT.
RECESSED

DISPLAY MOLD



L.H. LINER



R.H. LINER

TWO LETTER
DISPLAY MOLD

L.H. LINER



R.H. LINER



F-8942

F-3542
F-3664H-207
H-353F-3783 (42 ENG)
F-3794 (42 ENG)*F-6320
*F-6544

*L.H. LINER



*R.H. LINER



*F-6783

*F-6784
*F-6785

DISPLAY MOLD



*L.H. LINER



*R.H. LINER



DISPLAY MOLD (42 ENG)



F-3969

F-584
F-6678F-14
F-6679

E-1589



L.H. LINER



R.H. LINER

*Six-Pocket Mold Disk.

See following pages for tables of Molds and Liners.

E-1589 Mold cap guide screw 8-32 x 11/32"
 F- 14 Mold cap clamping screw, short 1/4"-24 x 1/2"
 F- 65 Mold fastening screw 1/4"-24 x .715"
 F- 496 Mold keeper screw 1/4"-24 x 5/16"
 F- 584 Mold cap clamping screw, long 1/4"-24 x 19/32"
 F-1110 Mold liner banking screw (30 em) 10-32 x 3/16"
 F-3542 Mold cap guide (display molds) (30 em)
 F-3664 Mold cap guide (30 em)
 F-3783 Mold cap guide (42 em)
 F-3794 Mold cap guide (display molds) (42 em)
 F-3969 Mold cap clamping screw 1/4"-24 x 3/4"
 F-6320 Mold cap guide (six pocket mold disk) (24 1/2 em)
 F-6320 Mold cap guide (six pocket mold disk) (28 1/2 em)
 F-6544 Mold cap guide, L.H. (25 1/2 em)
 F-6678 Mold cap clamping screw, long 1/4"-24 x 19/32" (.006" oversize)

F-6679 Mold cap clamping screw, short 1/4"-24 x 1/2" (.006" oversize)
 F-6783 Mold keeper screw (six pocket mold disk) (30 em)
 F-6784 Mold cap guide, R.H. (six pocket mold disk) (30 em)
 F-6785 Mold cap guide, L.H. (six pocket mold disk) (30 em)
 F-6942 Mold, U.A. liner, L.H. (with lip) (four pocket mold disk)
 F-8314 Mold, recessed, liner, L.H. (with lip) (four pocket mold disk)
 F-8901 Mold, recessed, liner, L.H. (with lip) (six pocket mold disk)
 H- 207 Mold cap guide screw 8-32 x 1/4"
 H- 353 Mold cap guide screw 8-32 x 3/8"

Parts Not Illustrated

F-3883 Mold dummy (42 em)
 F-4156 Mold dummy (30 em)
 F-6843 Mold dummy (six pocket mold disk) (30 em)

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering

30 Em American Molds and Liners

Height to Paper, .918; Height of Mold, .875

Mold without Liners	Four- or Six-Pocket	Body Range in Points	L.H. Liner	R.H. Liner	Maximum Character Overhang	Mold without Liners 12 Em	Mold without Liners 11 1/2 Em	Four- or Six-Pocket	Body Range in Points	L.H. Liner	R.H. Liner	Maximum Character Overhang
Universal Adjustable						Recessed, Newspaper Type						
F-1407	Four	5-14	F-516	F-517	.....	F-7643	F-8948	Four	10-14	F-872	F-517	.....
F-6786	Six	5-14	F-6788	F-6787	.....	F-7660	F-8950	Four	10-18	F-872	F-517	.....
Universal Adjustable—Extra Ribs First Six Ems						F-7645	F-8964	Six	10-14	F-6855	F-6787	.....
F-8790	Four	5-14	F-516	F-517	.....	F-7673	F-8966	Six	10-18	F-6855	F-6787	.....
F-8800	Six	5-14	F-6788	F-6787	.....	Recessed, Job Shop Type						
Advertising						F-2930	.....	Four	10-14	F-872	F-517	.....
F-8783	Four	5-8	F-516	F-517	16 Pts.	F-3036	.....	Four	10-18	F-872	F-517	.....
F-7620	Four	5-10	F-516	F-517	14 Pts.	F-6857	.....	Six	10-14	F-6855	F-6787	.....
F-1904	Four	5-12	F-516	F-517	12 Pts.	F-6854	.....	Six	10-18	F-6855	F-6787	.....
F-7926	Four	5-14	F-516	F-517	10 Pts.	Recessed, Newspaper Type—First Four Ems Solid						
F-8785	Six	5-8	F-6788	F-6787	16 Pts.	F-8794	F-8952	Four	10-14	F-872	F-517	.....
F-7624	Six	5-10	F-6788	F-6787	14 Pts.	F-8972	F-8954	Four	10-14	F-872	F-517	.....
F-6810	Six	5-12	F-6788	F-6787	12 Pts.	Recessed, Job Shop Type—First Four Ems Solid						
F-6795	Six	5-14	F-6788	F-6787	10 Pts.	F-8796	.....	Four	10-14	F-872	F-517	.....
*F-2106	Four	5-12	F-516	F-517	23 Pts.	F-8798	.....	Four	10-18	F-872	F-517	.....
*F-7150	Six	5-12	F-6788	F-6787	28 Pts.							

*Note: These molds are used to cast from matrix characters in the auxiliary position only.

30 Em American Molds and Liners (continued)

Height to Paper, .918; Height of Mold, .875

Mold without Liners 12 Em	Mold without Liners 11½ Em	Four- or Six- Pocket	Body Range in Points	L.H. Liner	R.H. Liner	Maximum Character Overhang	Mold without Liners 12 Em	Mold without Liners 11½ Em	Four- or Six- Pocket	Body Range in Points	L.H. Liner	R.H. Liner	Maximum Character Overhang
Recessed Advertising							Display, One-Letter						
F-7649	.....	Four	10-12	F-872	F-517	12 Pts.	F-6791	F-8934	Six	18-24	F-6793	F-6792	.....
*F-7665	.....	Four	10-18	F-872	F-517	22 Pts.	F-6861	F-8936	Six	24-30	F-6863	F-6862	.....
F-7651	.....	Six	10-12	F-6855	F-6787	12 Pts.	F-6797	F-8938	Six	30-36	F-6799	F-6798	.....
*F-7675	.....	Six	10-18	F-6855	F-6787	22 Pts.	F-7153	F-8940	Six	45	F-7155	F-7154	.....
*Note: These molds are used to cast from matrix characters in the auxiliary position only.							Display, Two-Letter						
Display, One-Letter							F-7053	F-8928	Four	18	F-7055	F-7054	.....
F-6703	F-8920	Four	18-24	F-6705	F-6704	.....	F-7057	F-8930	Four	18-24	F-7059	F-7058	.....
F-6707	F-8922	Four	24-30	F-6709	F-6708	.....	F-7061	F-8932	Four	24	F-7063	F-7062	.....
F-6711	F-8924	Four	30-36	F-6713	F-6712	.....	F-7079	F-8942	Six	18	F-7081	F-7080	.....
F-6772	F-8926	Four	45	F-6872	F-6871	.....	F-7083	F-8944	Six	18-24	F-7085	F-7084	.....
							F-7087	F-8946	Six	24	F-7089	F-7088	.....

42 Em American Molds and Liners (Four-Pocket Only)

Height to Paper, .918; Height of Mold, .875

Mold without Liners	Body Range in Points	L.H. Liner	R.H. Liner	Maximum Character Overhang	Mold without Liners	Body Range in Points	L.H. Liner	R.H. Liner	Maximum Character Overhang
Universal Adjustable					Recessed Advertising				
F-3787	5-14	F-3786	F-3785	.....	F-7658	10-12	F-3815	F-3785	12 Pts.
Recessed, Newspaper Type					Display, One-Letter				
F-7654	10-14	F-3815	F-3785	.....	F-6813	18-24	F-6815	F-6814	.....
F-7663	10-18	F-3815	F-3785	.....	F-6818	24-30	F-6820	F-6819	.....
Recessed, Job Shop Type					F-6823	30-36	F-6825	F-6824	.....
F-3816	10-14	F-3815	F-3785	.....	F-7359	45	F-7361	F-7360	.....
F-4879	10-18	F-3815	F-3785	.....	Display, Two-Letter				
Advertising					F-7354	18	F-7356	F-7355	.....
F-3926	5-12	F-3786	F-3785	12 Pts.	F-7370	18-24	F-7372	F-7371	.....
*F-4876	5-12	F-3786	F-3785	28 Pts.	F-7365	24	F-7367	F-7366	.....

*Note: This mold is used to cast from matrix characters in the auxiliary position only.

28 Cicero Didot Molds and Liners

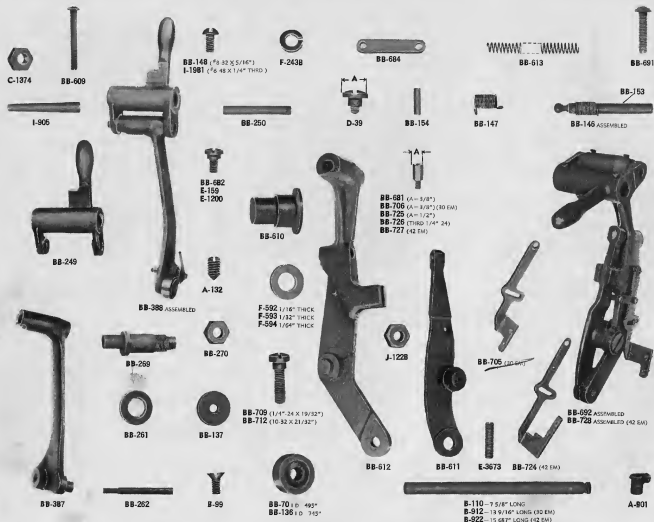
Height to Paper, .928; Height of Mold, .885

Mold without Liners	Four- or Six-Pocket	Body Range in Corps	L.H. Liner	R.H. Liner	Maximum Character Overhang	Mold without Liners	Four- or Six-Pocket	Body Range in Corps	L.H. Liner	R.H. Liner	Maximum Character Overhang
Universal Adjustable						Display, One-Letter					
F-1415	Four	5-14	F-959	F-958	.....	F-7604	Four	18-24	F-7606	F-7605	.....
F-7565	Six	5-14	F-7567	F-7566	.....	F-7608	Four	24-30	F-7610	F-7609	.....
Advertising						F-7612	Four	30-34	F-7614	F-7613	.....
F-2288	Four	5-12	F-959	F-958	12 Pts.	F-7616	Four	43	F-7618	F-7617	.....
F-7773	Six	5-12	F-7567	F-7566	12 Pts.	F-7747	Six	18-24	F-7749	F-7748	.....
*F-2681	Four	5-12	F-959	F-958	28 Pts.	F-7755	Six	24-30	F-7757	F-7756	.....
*Note: This mold is used to cast from matrix characters in the auxiliary position only.						F-7761	Six	30-34	F-7763	F-7762	.....
Recessed, Newspaper Type						F-7767	Six	43	F-7769	F-7768	.....
F-7775	Four	10-14	F-969	F-958	.....	Display, Two-Letter					
F-7778	Six	10-14	F-7779	F-7566	.....	F-7097	Four	18 Corps	F-7099	F-7098	.....
Recessed, Job Shop Type						F-7101	Four	18 Corps- 24 Pt.	F-7103	F-7102	.....
F-3342	Four	10-14	F-969	F-958	.....	F-7107	Four	24 Pt.	F-7109	F-7108	.....
F-4979	Four	10-18	F-969	F-958	.....	F-7589	Six	18 Corps	F-7591	F-7590	.....
						F-7600	Six	18 Corps- 24 Pt.	F-7602	F-7601	.....
						F-7596	Six	24 Pt.	F-7598	F-7597	.....

40 Cicero Didot Molds and Liners (Four-Pocket Only)

Height to Paper, .928; Height of Mold, .885

Mold without Liners	Body Range in Corps	L.H. Liner	R.H. Liner	Maximum Character Overhang	Mold without Liners	Body Range in Corps	L.H. Liner	R.H. Liner	Maximum Character Overhang
Universal Adjustable					Display, One-Letter				
F-4104	5-14	F-4103	F-4097	.....	F-4084	18-24	F-4083	F-4082	.....
Recessed					F-4090	24-30	F-4089	F-4088	.....
F-4099	10-14	F-4098	F-4097	.....	F-4075	30-34	F-4074	F-4078	.....
F-6066	10-18	F-4098	F-4097	.....	F-6071	43	F-6073	F-6072	.....
Advertising									
F-5524	5-12	F-4103	F-4097	12 Pts.					



- A- 132 Mold cam lever hinge pin set screw $1/4" \times 7/16"$
 A- 132 Mold cam lever shaft screw $1/4" \times 7/16"$
 A- 901 Mold cam lever oil hole cover
 A- 901 Mold cam lever handle oil hole cover
 B- 99 Mold cam lever roll washer screw $6-32 \times 3/8"$
 B- 110 Mold cam lever shaft ($7 \frac{5}{8}"$ long)
 B- 912 Mold cam lever shaft (30 cm) ($13 \frac{9}{16}"$ long)
 B- 922 Mold cam lever shaft ($18.68"$ long)
 BB- 70 Mold cam roll $1.509" \times .495" \times .623"$
 BB-136 Mold cam roll $1.504" \times .748" \times .625"$
 BB-136 Mold cam lever roll
 BB-137 Mold cam lever roll washer
 BB-146 Mold cam lever handle stop pin, assembled
 BB-147 Mold cam lever handle stop pin spring
 BB-148 Mold cam lever handle stop pin spring screw $8-32 \times 5/16"$
 BB-153 Mold cam lever handle stop pin
 BB-154 Mold cam lever handle stop pin spring pin $1/8" \times 15/32"$
 BB-249 Mold cam lever handle
 BB-250 Mold cam lever hinge pin
 BB-261 Mold cam roll eccentric pin washer
 BB-262 Mold cam roll eccentric pin handle
 BB-269 Mold cam roll eccentric pin
 BB-270 Mold cam roll eccentric pin nut $5/8" \times 1 \frac{1}{16}"$
 BB-387 Mold cam lever
 BB-388 Mold cam lever, assembled
 BB-609 Mold cam lever, auxiliary, tie bolt
 BB-610 Mold cam lever stud, lower
 BB-611 Mold cam lever, auxiliary
 BB-612 Mold cam lever
 BB-613 Mold cam lever, auxiliary, receding, safety spring
 BB-681 Automatic stopping lever, upper, mold safety slide control lever link spacer $31/32"$ long ($A=3/8"$)
 BB-682 Automatic stopping lever, upper, mold safety slide control lever link spacer stud $10-32 \times 15/32"$
 BB-684 Automatic stopping lever, upper, mold safety slide control lever link
 BB-691 Automatic stopping lever, upper, mold safety slide control lever adjusting screw, long $10-32 \times 1"$

Parts are for All Models Unless Otherwise Specified

- BB-692 Mold cam lever and automatic stopping lever, assembled
 BB-705 Automatic stopping lever, upper, mold safety slide control lever (30 cm)
 BB-706 Automatic stopping lever, upper, mold safety slide control lever link spacer (30 cm) $1 \frac{1}{32}"$ long ($A=3/8"$)
 BB-709 Automatic stopping lever, upper, mold safety slide control lever fulcrum screw $1/4" \times 24 \times 19/32"$
 BB-712 Automatic stopping lever, upper, mold safety slide control lever screw $10-32 \times 21/32"$
 BB-724 Automatic stopping lever, upper, mold safety slide control lever, assembled (42 cm)
 BB-725 Automatic stopping lever, upper, mold safety slide control lever link spacer $1 \frac{5}{16}"$ long ($A=1/2"$)
 BB-726 Automatic stopping lever, upper, mold safety slide control lever spacer, top, $1 \frac{3}{16}"$ long (C thrd. $1/4"-24$)
 BB-727 Automatic stopping lever, upper, mold safety slide control lever spacer, bottom, $1 \frac{3}{16}"$ long (C thrd. $10-32$) (42 cm)
 BB-728 Mold cam lever and automatic stopping lever, assembled (42 cm)
 C-1374 Mold cam lever, auxiliary, tie bolt nut
 D- 39 Automatic stopping lever, upper, mold safety slide control lever link stud $6-32 \times 23/64"$ ($A=7/16"$)
 E- 159 Automatic stopping lever, upper, mold safety slide control lever fulcrum screw $1/4" \times 24 \times .508"$
 E-1200 Automatic stopping lever, upper, mold safety slide control lever stud $10-32 \times .4475"$
 E-3673 Automatic stopping lever, upper, mold safety slide control lever adjusting screw, short
 F- 592 Mold cam lever adjusting washer ($1/16"$ thick)
 F- 593 Mold cam lever adjusting washer ($1/32"$ thick)
 F- 594 Mold cam lever adjusting washer ($1/64"$ thick)
 F-2438 Automatic stopping lever, upper, mold safety slide control lever link spacer lock washer
 I- 905 Mold cam lever stud, lower, pin $1.978" \times 1 \frac{1}{2}"$
 I-1981 Mold cam lever handle stop pin spring screw $8-48 \times 1/4"$
 J-1228 Automatic stopping lever, upper, mold safety slide control lever fulcrum adjusting screw, nut

Please Give Model and Serial Number When Ordering



F-4609 (42 EM)

F-4610 ASSEMBLED (42 EM)



F-4602 (30 EM)

F-4603 ASSEMBLED (30 EM)



F-885



D-1402



F-884

F-4600 (30 EM)
F-4607 (42 EM)

F-4265



S-108



E-42

F-898 ASSEMBLED (30 EM)
F-3715 ASSEMBLED (42 EM)

F-4266 (80 EM)



D-779 (42 EM)



B-87



F-26



F-1500 (42 EM)

F-883 (30 EM)
F-3714 (42 EM)

F-3115 (42 EM)



F-4601 (30 EM)



F-4608 (42 EM)



F-886

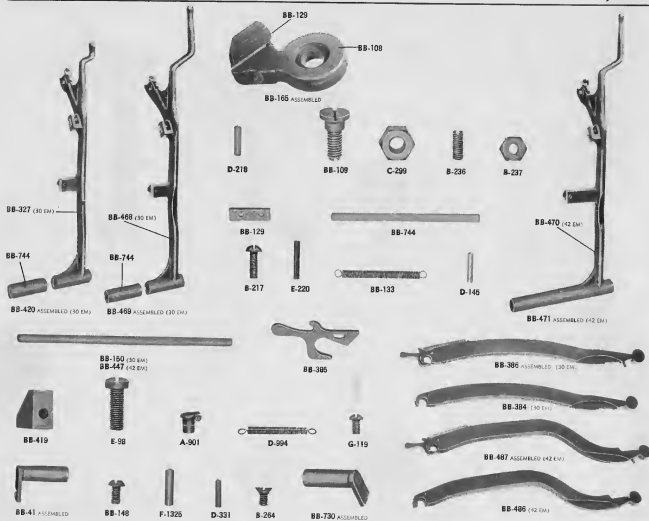
A-3 (30 EM)
A-890 (42 EM)

- A- 3 Column screw, for mold wiper (30 em) 3/4"-10 x 2 3/4" (A=9/16")
A- 880 Column screw, for mold wiper (42 em) 3/4"-10 x 2 3/4" (A=5/16")
B- 87 Mold wiper screw
B- 108 Mold wiper spring pin
D- 779 Mold wiper, back, screw, long, washer (42 em)
D-1402 Mold wiper keeper screw 8-32 x 7/16"
E- 42 Mold wiper, back, holder stud cotter pin
F- 26 Mold wiper, back, washer
F- 883 Mold wiper lever (30 em)
F- 884 Mold wiper
F- 885 Mold wiper keeper
F- 886 Mold wiper spring
F- 898 Mold wiper, assembled (30 em)
F-1500 Mold wiper, back, spring (42 em)

Parts are for All Models Unless Otherwise Specified

- F-3115 Mold wiper, back, screw, long (42 em) 8-32 x 1 1/16"
F-3714 Mold wiper lever (42 em)
F-3715 Mold wiper, assembled (42 em)
F-4265 Mold wiper, back, screw
F-4266 Mold wiper, back, spring (30 em)
F-4600 Mold wiper, back, holder (30 em)
F-4601 Mold wiper, back (30 em)
F-4602 Mold wiper, back, bracket (30 em)
F-4603 Mold wiper, back, assembled (30 em)
F-4607 Mold wiper, back, holder (42 em)
F-4608 Mold wiper, back (42 em)
F-4609 Mold wiper, back, bracket (42 em)
F-4610 Mold wiper, back, assembled (42 em)

Please Give Model and Serial Number When Ordering

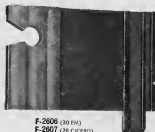


A- 901 Ejector lever oil hole cover
B- 217 Ejector lever adjustable pawl spring screw 1/4"-24 x 1 1/4"
B- 236 Ejector lever adjustable pawl adjusting screw 1/4"-24 x 1 1/4"
B- 237 Ejector lever adjustable pawl adjusting screw nut 1/4"-24 x 1/4"
B- 264 Ejector lever link hinge pin screw 8-32 x 5/16"
BB- 41 Ejector lever link hinge pin, assembled
BB-108 Ejector lever adjustable pawl
BB-109 Ejector lever adjustable pawl screw
BB-129 Ejector lever adjustable pawl plate
BB-133 Ejector lever adjustable pawl spring
BB-148 Ejector lever link hinge pin screw 8-32 x 5/16"
BB-150 First elevator and ejector lever shaft (30 em)
BB-165 Ejector lever adjustable pawl, assembled
BB-327 Ejector lever
BB-384 Ejector lever link
BB-385 Ejector lever link latch
BB-386 Ejector lever link, assembled (30 em)
BB-419 Ejector lever shoe
BB-420 Ejector lever, assembled (30 em) (Models 5, 31, 32, 33, 34)

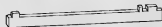
Parts are for All Models Unless Otherwise Specified

BB-447 First elevator and ejector lever shaft (42 em)
BB-468 Ejector lever (30 em)
BB-469 Ejector lever, assembled (30 em) (Models 29, 30, 35, 38)
BB-470 Ejector lever (42 em)
BB-471 Ejector lever, assembled (42 em)
BB-486 Ejector lever link (42 em)
BB-487 Ejector lever link, assembled (42 em)
BB-730 Ejector lever link hinge pin, assembled
BB-744 Ejector lever spacer
C- 299 Ejector lever adjustable pawl screw nut 1/2"-12 x 7/8"
D- 145 Ejector lever adjustable pawl plate rivet, long 1/8" x 5/8"
D- 218 Ejector lever adjustable pawl plate rivet, short
D- 331 Ejector lever link latch pin 1/8" x 9/16"
D- 994 Ejector lever link latch spring
E- 98 Ejector lever shoe screw 5/16"-24 x 7/8"
E- 220 Ejector lever adjustable pawl plate rivet, long 1/8" x 13/16"
F-1325 Ejector lever link pin .175" x 3/4"
G- 119 Ejector lever link latch spring screw 6-48 x 1/4"

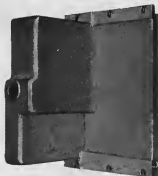
Please Give Model and Serial Number When Ordering



F-2606 (30 EM)
F-2607 (28 CICERO)
F-4702 (42 EM)
F-4705 (40 CICERO)



F-1826



F-4446 (42 EM)
F-4461 (40 CICERO)



F-1962 (30 EM)
F-1963 (28 CICERO)
F-3721 (42 EM)
F-4054 (40 CICERO)



G-354



D-978



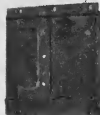
LOWEST POSITION ONLY
F-9040 - 11 1/2 EM



LOWEST POSITION ONLY
F-2683 - 11 EM



LOWEST POSITION ONLY
F-1872 - 30 EM
F-1719 - 12 EM
F-2210 - 40 EM
F-1731 - 8 EM
F-1679 - 6 EM



F-2328 ASSEMBLED (30 EM)
F-2330 ASSEMBLED (28 CICERO)

D-332
D-401
D-714



F-2327



F-2326



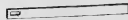
H-456



D-979



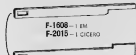
LOWEST POSITION ONLY
F-1461 - 4 EM
F-1587 - 4 CICERO



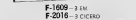
F-1460 - 2 EM
F-1586 - 2 CICERO



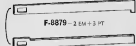
F-1727 - 4 EM INTERMEDIATE POSITION ONLY



F-1606 - 1 EM
F-2015 - 1 CICERO



F-1609 - 3 EM
F-2016 - 3 CICERO



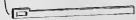
F-8879 - 2 EM + 3 PT



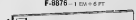
F-8880 - 1 EM + 9 PT



F-3593 - 2 EM + 6 PT



F-8876 - 1 EM + 6 PT



F-8878 - 2 EM + 9 PT



F-8877 - 1 EM + 3 PT



F-3583 - 3 EM



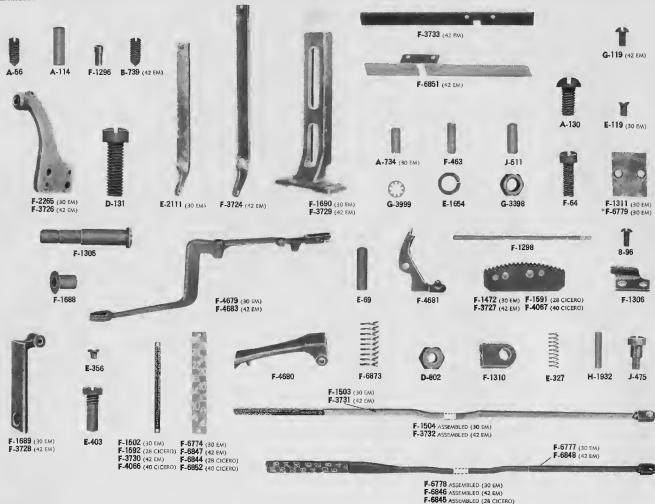
F-4213 - 1 EM

D- 332 Ejector blade guide dowel, long (30 em) 1/8" x 3/4"
 D- 401 Ejector blade guide dowel, short 1/8" x 7/16"
 D- 714 Ejector slide keeper dowel 3/32" x 1/2"
 D- 978 Ejector blade guide screw, long 10-32 x 3/4"
 D- 979 Ejector blade guide screw, short 10-32 x 3/8"
 D- 979 Ejector slide keeper screw 10-32 x 3/8"
 F-1460 Ejector blade (2 em)
 F-1461 Ejector blade (4 em)
 F-1468 Ejector slide keeper
 F-1586 Ejector blade (didot) (2 cicero)
 F-1587 Ejector blade (didot) (4 cicero)
 F-1608 Ejector blade (1 em)
 F-1609 Ejector blade (3 em)
 F-1679 Ejector blade (8 em)
 F-1727 Ejector blade (4 em)
 F-1731 Ejector blade (8 em)
 F-1826 Ejector blade link
 F-1962 Ejector blade link stop (30 em)
 F-1963 Ejector blade link stop (didot) (28 cicero)
 F-2015 Ejector blade (didot) (1 cicero)
 F-2016 Ejector blade (didot) (3 cicero)
 F-2210 Ejector blade (10 em)
 F-2325 Ejector blade guide (30 em)
 F-2326 Ejector slide buffer

F-2327 Ejector slide buffer spring
 F-2328 Ejector blade guide, assembled (30 em)
 F-2329 Ejector blade guide (didot) (28 cicero)
 F-2330 Ejector blade guide (didot) (28 cicero), assembled
 F-2606 Ejector slide (30 em)
 F-2607 Ejector slide (didot) (28 cicero)
 F-2883 Ejector blade (11 em)
 F-3583 Ejector blade (3 em)
 F-3593 Ejector blade (2 em + 6 points)
 F-3721 Ejector blade link stop (42 em)
 F-4064 Ejector blade link stop (didot) (40 cicero)
 F-4213 Ejector blade (1 em)
 F-4446 Ejector blade guide (42 em)
 F-4461 Ejector blade guide (didot) (40 cicero)
 F-4702 Ejector slide (42 em)
 F-4705 Ejector slide (didot) (40 cicero)
 F-8876 Ejector blade (1 em + 8 points)
 F-8877 Ejector blade (1 em + 3 points)
 F-8878 Ejector blade (2 em + 9 points)
 F-8879 Ejector blade (2 em + 3 points)
 F-8880 Ejector blade (1 em + 9 points)
 F-9040 Ejector blade (11 1/2 em)
 G- 354 Ejector blade link stop screw 6-48 x 5/16"
 H- 456 Ejector slide buffer bushing

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



*For machine equipped with wide ejector blade scale F-6774.

- A- 56 Ejector blade controller lever stud set screw 1/4" -24 x 5/8"
- A- 114 Ejector blade controller lever bracket dowel 1/4" x 18/16"
- A- 130 Ejector blade controller lever segment screw 14-24 x 1/2"
- A- 734 Ejector blade controller link lift guide dowel (30 em) 3/16" x 6/8"
- B- 96 Ejector blade controller lever latch screw 4-48 x 1/4"
- B- 739 Ejector blade controller lever stud set screw 1/4" -24 x 1"
- D- 131 Ejector blade controller lever bracket screw 3/8" -16 x 1 1/8"
- D- 802 Ejector blade scale bar connection nut 8-32 x 1/8"
- E- 69 Ejector blade controller lever latch handle pin 1/4" x 16/16"
- E- 119 Ejector blade scale bar plate screw (30 em) 6-48 x 1/4"
- E- 327 Ejector blade controller lever latch handle locking piece spring
- E- 356 Ejector blade scale screw 4-48 x 3/32"
- E- 403 Ejector blade controller link lift roll screw
- E-1654 Ejector blade controller link rod washer
- F- 64 Ejector blade controller link lift guide screw 1/4" -24 x 23/32"
- F- 463 Ejector blade controller link lift guide dowel 3/16" x 6/8"
- F-1296 Ejector blade controller pin
- F-1298 Ejector blade controller link rod
- F-1305 Ejector blade controller lever stud
- F-1306 Ejector blade controller lever latch
- F-1310 Ejector blade scale bar connection
- F-1311 Ejector blade scale bar plate (30 em)
- F-1472 Ejector blade controller lever segment (30 em)
- F-1502 Ejector blade scale (30 em)
- F-1503 Ejector blade scale bar (30 em)
- F-1504 Ejector blade scale bar, assembled (30 em)
- F-1591 Ejector blade controller lever segment, didot (28 cicero)
- F-1592 Ejector blade scale, didot (28 cicero)
- F-1688 Ejector blade controller link lift roll
- F-1689 Ejector blade controller link lift (30 em)
- F-1690 Ejector blade controller link lift guide (30 em)
- F-2111 Ejector blade controller (30 em)
- F-2265 Ejector blade controller lever bracket (30 em)
- F-3724 Ejector blade controller (42 em)
- F-3726 Ejector blade controller lever bracket (42 em)
- F-3727 Ejector blade controller lever segment (42 em)

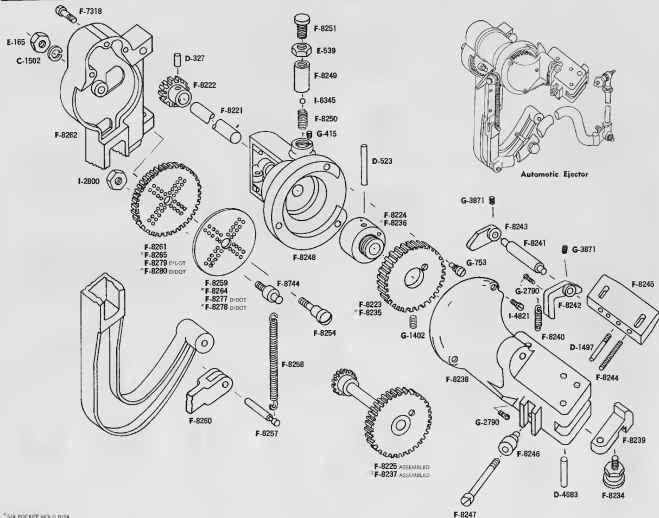
- F-3728 Ejector blade controller link lift (42 em)
- F-3729 Ejector blade controller link lift guide (42 em)
- F-3730 Ejector blade scale (42 em)
- F-3731 Ejector blade scale bar (42 em)
- F-3732 Ejector blade scale bar, assembled (42 em)
- F-3733 Ejector blade scale bar plate (42 em)
- F-4066 Ejector blade scale, didot (40 cicero)
- F-4067 Ejector blade controller lever segment, didot (40 cicero)
- F-4679 Ejector blade controller lever (30 em)
- F-4680 Ejector blade controller lever latch handle
- F-4681 Ejector blade controller lever latch handle locking piece
- F-4683 Ejector blade controller lever (42 em)
- F-6774 Ejector blade scale (30 em)
- F-6777 Ejector blade scale bar (30 em)
- F-6778 Ejector blade scale bar, assembled (30 em)
- F-6779 Ejector blade scale bar plate (30 em)
- F-6844 Ejector blade scale, didot (28 cicero)
- F-6845 Ejector blade scale bar, didot, assembled (28 cicero)
- F-6846 Ejector blade scale bar, assembled (42 em)
- F-6847 Ejector blade scale (42 em)
- F-6848 Ejector blade scale bar (42 em)
- F-6851 Ejector blade scale bar plate (42 em)
- F-6852 Ejector blade scale (40 cicero)
- F-6873 Ejector blade controller lever latch handle spring
- G- 119 Ejector blade scale bar plate screw (42 em) 8-48 x 1/4"
- G-3398 Ejector blade controller link rod nut 1/4" -24 x 1/8"
- G-3999 Ejector blade controller lever bracket screw lock washer
- H-1932 Ejector blade controller lever latch handle locking piece
pin 1/8" x 5/8"
- J- 475 Ejector blade scale bar screw
- J- 511 Ejector blade controller lever segment dowel 3/16" x 1/2"

Parts Not Illustrated

- F-4682 Ejector blade controller lever, assembled (30 em)
- F-4684 Ejector blade controller lever, assembled (42 em)

Please Give Model and Serial Number When Ordering

Parts are for All Models Unless Otherwise Specified



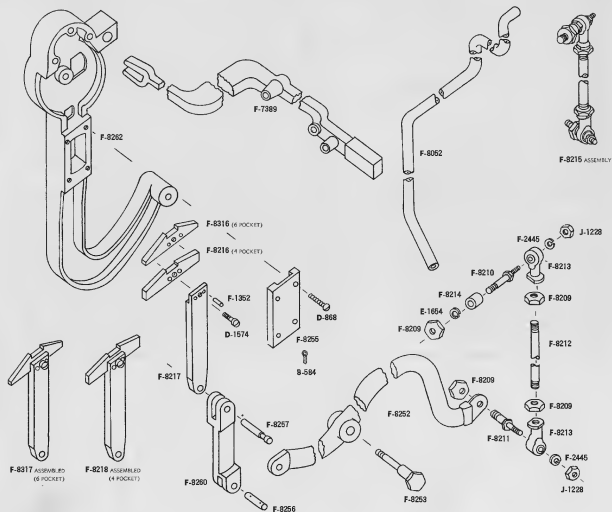
* SIX POCKET MOLD DISK

C-1502 Automatic ejector control locating slide gear stud lock washer
 D- 327 Automatic ejector control locating gear pinion pin 1/8" x 7/8"
 D- 523 Automatic ejector control locating gear hub pin
 D-1497 Automatic ejector control mold disk pinion stop operating arm screw
 D-4683 Automatic ejector control mold disk stop pin
 D-4683 Automatic ejector control mold disk guide pin
 E- 165 Automatic ejector control locating gear stud nut
 E- 539 Automatic ejector control locating gear detent adjusting screw lock nut
 F-7318 Automatic ejector control frame screw
 F-8221 Automatic ejector control locating gear shaft
 F-8222 Automatic ejector control locating gear pinion
 F-8223 Automatic ejector control locating gear
 F-8224 Automatic ejector control locating gear hub
 F-8225 Automatic ejector control locating gear shaft, assembled
 F-8229 Automatic ejector control locating slide gear index stud, assembled
 F-8234 Automatic ejector control mold disk stop detent, assembled
 F-8235 Automatic ejector control locating gear (six pocket mold disk)
 F-8236 Automatic ejector control locating gear hub (six pocket mold disk)
 F-8237 Automatic ejector control locating gear shaft, assembled (six pocket mold disk)
 F-8238 Automatic ejector control mold disk guide bracket
 F-8239 Automatic ejector control mold disk stop
 F-8240 Automatic ejector control mold disk operating arm spring
 F-8241 Automatic ejector control mold disk pinion stop shaft
 F-8242 Automatic ejector control mold disk pinion stop operating arm
 F-8243 Automatic ejector control mold disk pinion stop
 F-8244 Automatic ejector control mold disk guide spring
 F-8245 Automatic ejector control mold disk guide
 F-8246 Automatic ejector control mold disk guide knob
 F-8247 Automatic ejector control mold disk guide screw
 F-8248 Automatic ejector control frame gear housing

F-8249 Automatic ejector control locating gear detent bushing
 F-8250 Automatic ejector control locating gear detent spring
 F-8251 Automatic ejector control locating gear detent adjusting screw
 F-8254 Automatic ejector control locating slide gear stud
 F-8257 Automatic ejector control locating slide link pin, long
 F-8258 Automatic ejector control locating slide spring
 F-8259 Automatic ejector control locating slide gear index plate
 F-8260 Automatic ejector control locating slide link
 F-8261 Automatic ejector control locating slide gear
 F-8262 Automatic ejector control frame
 F-8264 Automatic ejector control locating slide gear index plate (six pocket mold disk)
 F-8265 Automatic ejector control locating slide gear (six pocket mold disk)
 F-8277 Automatic ejector control locating slide gear index plate (didot)
 F-8278 Automatic ejector control locating slide gear index plate (didot) (six pocket mold disk)
 F-8279 Automatic ejector control locating slide gear (didot)
 F-8280 Automatic ejector control locating slide gear (didot) (six pocket mold disk)
 F-8744 Automatic ejector control locating slide index stud, assembled
 G- 415 Automatic ejector control locating gear detent bushing screw
 G- 753 Automatic ejector control locating gear screw
 G-1402 Automatic ejector control locating gear set screw
 G-2790 Automatic ejector control mold disk guide bracket spring eye
 G-2790 Automatic ejector control mold disk pinion stop operating arm spring eye
 G-3871 Automatic ejector control mold disk pinion stop operating arm set screw
 G-3871 Automatic ejector control mold disk pinion stop set screw
 I-2800 Automatic ejector control locating slide gear index stud roller nut
 I-4821 Automatic ejector control mold disk guide bracket screw
 I-6345 Automatic ejector control locating gear detent ball

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering

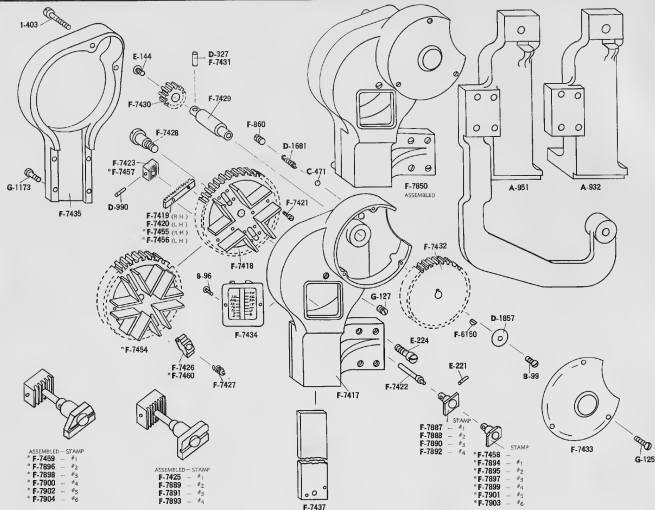


B-584 Automatic ejector control locating slide link pin cotter pin
D-868 Automatic ejector control locating slide bearing screw
D-1574 Automatic ejector control locating slide screw
E-1654 Automatic ejector control ejector blade controller lever stud
nut lock washer, large
F-1352 Automatic ejector control locating slide dowel
F-2445 Automatic ejector control ejector blade controller lever stud
nut lock washer, small
F-7389 Ejector control lever (use with automatic control and air
cooled mold)
F-8052 Pot mouth burner connecting tube, long (for use with automatic
ejector control)
F-8209 Automatic ejector control ejector blade controller lever stud
nut, large
F-8209 Automatic ejector control ejector blade controller lever adjusting
rod nut
F-8210 Automatic ejector control ejector blade controller lever stud, upper
F-8211 Automatic ejector control ejector blade controller lever stud, lower
F-8212 Automatic ejector control ejector blade controller lever
adjusting rod
F-8213 Automatic ejector control ejector blade controller lever adjusting
rod end

Parts are for All Models Unless Otherwise Specified

F-8214 Automatic ejector control ejector blade controller lever spacer
F-8215 Automatic ejector control ejector blade controller lever adjusting
rod, assembled
F-8216 Automatic ejector control locating slide head
F-8217 Automatic ejector control locating slide body
F-8218 Automatic ejector control locating slide, assembled
F-8252 Automatic ejector control lever
F-8253 Automatic ejector control lever stud
F-8255 Automatic ejector control locating slide bearing
F-8256 Automatic ejector control locating slide link pin, short
F-8257 Automatic ejector control locating slide link pin, long
F-8258 Automatic ejector control locating slide spring
F-8260 Automatic ejector control locating slide link
F-8262 Automatic ejector control frame
F-8316 Automatic ejector control locating slide head (six pocket
mold disk)
F-8317 Automatic ejector control locating slide, assembled
J-1228 Automatic ejector control ejector blade controller lever stud
nut, small

Please Give Model and Serial Number When Ordering



* SIX POCKET MOLD DISK

- A- 932 Mold gear arm support (use with automatic ejector control)
 A- 951 Mold gear arm support (use with automatic ejector control)
 B- 96 Automatic ejector control locating block scale screw 4-48 x 1/4"
 B- 99 Automatic ejector control operating gear screw 8-32 x 3/8"
 C- 471 Automatic ejector control operating gear detent ball
 D- 327 Automatic ejector control operating pinion pin .125" x 7/8"
 D- 990 Automatic ejector control locating block pin .0687" x 17/32"
 D-1681 Automatic ejector control operating gear detent ball spring
 D-1857 Automatic ejector control operating gear shaft washer
 E- 144 Automatic ejector control operating pinion screw 8-32 x 1/8"
 E- 221 Automatic ejector control locating block knob pin .063 x 9/32"
 E- 224 Automatic ejector control frame screw
 F- 860 Automatic ejector control operating gear detent ball spring retaining screw 1/4"-24 x 5/16"
 F-6150 Automatic ejector control operating gear shaft key
 F-7417 Automatic ejector control frame
 F-7418 Automatic ejector control locating gear
 F-7419 Automatic ejector control locating gear rack, r.h.
 F-7420 Automatic ejector control locating gear rack, l.h.
 F-7421 Automatic ejector control locating gear rack screw 4-48 x .385"
 F-7422 Automatic ejector control locating block shaft
 F-7423 Automatic ejector control locating block
 F-7425 Automatic ejector control locating block, assembled
 F-7426 Automatic ejector control locating block guide
 F-7427 Automatic ejector control locating block guide spring
 F-7428 Automatic ejector control locating gear shoulder screw
 F-7429 Automatic ejector control locating gear shaft
 F-7430 Automatic ejector control operating pinion
 F-7431 Automatic ejector control operating pinion pin .135" x .068" (taper)
 F-7432 Automatic ejector control operating gear
 F-7433 Automatic ejector control operating gear cover
 F-7434 Automatic ejector control operating block scale
 F-7435 Automatic ejector control frame cover
 F-7437 Automatic ejector control locating slide
 F-7454 Automatic ejector control locating gear (six pocket mold disk)
 F-7455 Automatic ejector control locating gear rack, r.h. (six pocket mold disk)
 F-7456 Automatic ejector control locating gear rack, l.h. (six pocket mold disk)
 F-7457 Automatic ejector control locating block (six pocket mold disk)
 F-7458 Automatic ejector control locating block knob (six pocket mold disk)
 F-7459 Automatic ejector control locating block (#1) (six pocket mold disk) (assembled)

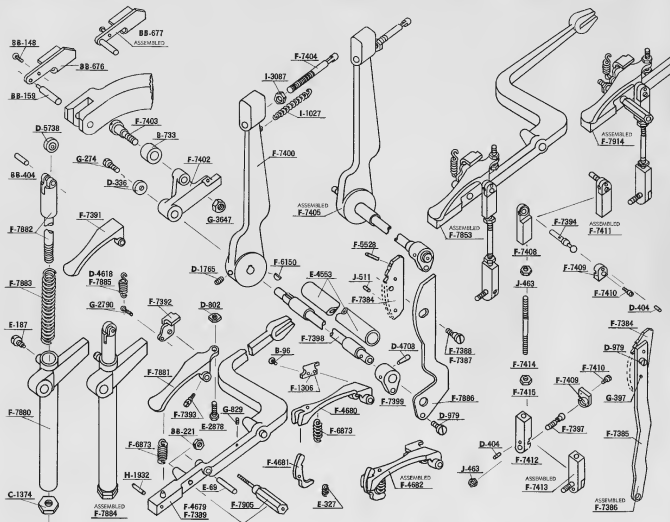
Parts are for All Models Unless Otherwise Specified

- F-7460 Automatic ejector control locating block guide (six pocket mold disk)
 F-7850 Automatic ejector control frame and cover, assembled
 F-7887 Automatic ejector control locating block knob (#1)
 F-7888 Automatic ejector control locating block knob (#2)
 F-7889 Automatic ejector control locating block (#2) (assembled)
 F-7890 Automatic ejector control locating block knob (#3)
 F-7891 Automatic ejector control locating block (#3) (assembled)
 F-7892 Automatic ejector control locating block knob (#4)
 F-7893 Automatic ejector control locating block (#4) (assembled)
 F-7894 Automatic ejector control locating block knob (#1) (six pocket mold disk)
 F-7895 Automatic ejector control locating block knob (#2) (six pocket mold disk)
 F-7896 Automatic ejector control locating block (#2) (six pocket mold disk) (assembled)
 F-7897 Automatic ejector control locating block knob (#3) (six pocket mold disk)
 F-7898 Automatic ejector control locating block (#3) (six pocket mold disk) (assembled)
 F-7899 Automatic ejector control locating block knob (#4) (six pocket mold disk)
 F-7900 Automatic ejector control locating block (#4) (six pocket mold disk) (assembled)
 F-7901 Automatic ejector control locating block knob (#5) (six pocket mold disk)
 F-7902 Automatic ejector control locating block (#5) (six pocket mold disk) (assembled)
 F-7903 Automatic ejector control locating block knob (#6) (six pocket mold disk)
 F-7904 Automatic ejector control locating block (#6) (six pocket mold disk) (assembled)
 G- 125 Automatic ejector control frame cover screw (short) 8-48 x 1/2"
 G- 127 Automatic ejector control locating gear shoulder screw lock screw 3/8"-18 x 5/8"
 G-1173 Automatic ejector control frame cover screw (short) 8-32 x 1/2" x 5/16" x 5/8"
 I- 403 Automatic ejector control frame cover screw (long) 8-32 x 15/16" x 5/8" x 1 1/16"

Parts Not Illustrated

- F-7436 Automatic ejector control frame, assembled
 F-7461 Automatic ejector control frame (six pocket mold disk) (assembled)

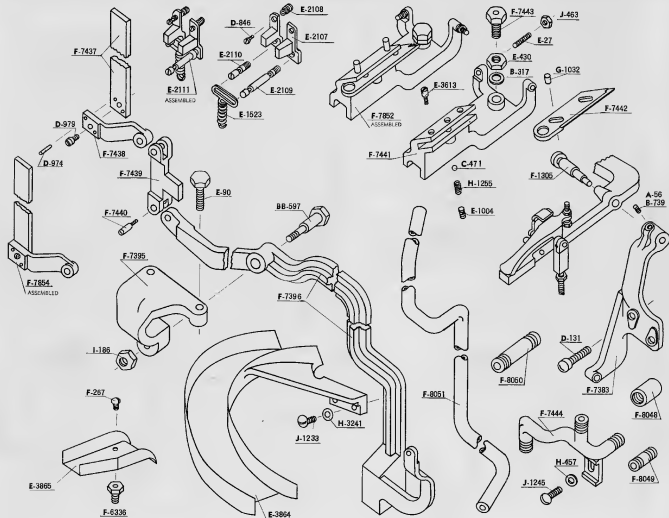
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8- 96 Ejector blade controller lever latch screw	F-7400 Automatic ejector control ejector blade controller lever segment shifting lever, l.h.
8- 733 Automatic ejector locating slide lifting lever roll	F-7402 Automatic ejector control locating slide lifting lever
88-148 Vise jaw, l.h., wedge hinge pin screw 8-32 x 5/16"	F-7403 Automatic ejector control locating slide lifting lever roll stud
88-159 Vise jaw, l.h., wedge hinge pin	F-7404 Automatic ejector control ejector blade controller lever segment shifting lever, l.h., adjusting screw
88-221 Ejector blade controller lever adapter nut 10-28 x 5/16" x 1/8"	F-7405 Automatic ejector control ejector blade controller lever segment shifting lever, assembled
88-404 Automatic ejector control locating slide operating lever plunger roll pin .350" x 11/16"	F-7408 Automatic ejector control ejector blade controller lever setting lever adjusting rod link, upper
88-676 Vise jaw, l.h., wedge hinge pin plate	F-7409 Automatic ejector control ejector blade controller lever setting lever adjusting rod link, lower, cap
88-677 Vise jaw, l.h., wedge hinge pin and plate, assembled	F-7409 Automatic ejector control ejector blade controller lever setting lever adjusting rod link, upper, cap
C-1374 Automatic ejector control locating slide operating lever plunger nut 8-32-16 x 3/4" x 1/4"	F-7410 Automatic ejector control ejector blade controller lever setting lever adjusting rod link, lower, cap screw 6-48 x 1/4" x 3/8"
D- 336 Automatic ejector control locating slide lifting lever screw washer .178" x 3/4" x 1/8"	F-7410 Automatic ejector control ejector blade controller lever setting lever adjusting rod link, upper, cap screw 6-48 x 1/4" x 3/8"
D- 404 Automatic ejector control ejector blade controller lever adjusting cap dowel .0625" x 3/8"	F-7411 Automatic ejector control ejector blade controller lever setting lever adjusting rod link, upper, assembled
D- 404 Automatic ejector control ejector blade controller lever adjusting rod link, upper, cap dowel .0625" x 3/8"	F-7412 Automatic ejector control ejector blade controller lever setting adjusting rod link, lower
D- 802 Ejector blade controller lever latch handle stop screw nut 8-32 x 5/16" x 1/8"	F-7413 Automatic ejector control ejector blade controller lever setting adjusting rod link, lower, assembled
D- 979 Ejector blade controller lever segment extension screw 10-32 x 1/2"	F-7414 Automatic ejector control ejector blade controller lever setting lever adjusting rod
D- 979 Ejector blade controller lever latch releasing cam screw 10-32 x 1/2"	F-7415 Automatic ejector control ejector blade controller lever setting lever adjusting rod nut, lower, l.h. thrd.
D-1765 Automatic ejector control ejector blade controller lever segment shifting lever, l.h., set screw 10-32 x 11/64"	F-7853 Ejector blade controller lever, handle and adjusting rod, assembled
D-4618 Ejector blade controller lever latch spring .210" x 1/2"	F-7880 Automatic ejector control locating slide operating lever
D-4708 Automatic ejector control ejector blade controller lever segment shifting, r.h., pin .187" x 1" x .187"	F-7881 Ejector blade controller lever latch handle
D-5738 Automatic ejector control locating slide operating lever plunger roll	F-7882 Automatic ejector control locating slide operating lever plunger
E- 69 Ejector blade controller lever latch handle pin	F-7883 Automatic ejector control locating slide operating lever plunger spring 11/16" x 1/4"
E- 187 Automatic ejector control locating operating lever plunger screw	F-7884 Automatic ejector control locating slide operating lever, assembled
E- 327 Ejector blade controller lever latch handle locking piece spring	F-7885 Ejector blade controller lever latch handle spring 210" x 1/4"
E-2878 Ejector blade controller lever latch handle stop screw 8-32 x 5/8"	F-7886 Ejector blade controller lever latch releasing cam
E-4553 Vise frame shaft	F-7905 Ejector blade controller lever adapter (used with air-cooled mold)
F-1306 Ejector blade controller lever latch	F-7914 Ejector blade controller lever handle and adjusting rod, assembled (used with air-cooled mold)
F-4679 Ejector blade controller lever	G- 274 Automatic ejector control locating slide lifting lever screw 8-32 x 3/8"
F-4680 Ejector blade controller lever latch handle	G- 397 Ejector blade controller lever segment extension dowel
F-4681 Ejector blade controller lever latch handle locking piece	G- 829 Ejector blade controller lever stud, upper, sets crew 4-48 x 3/16"
F-4682 Ejector blade controller lever, assembled	G-2790 Ejector blade controller lever, latch spring eye 4-48 x 5/8"
F-5528 Ejector blade controller lever latch stop pin .186" x 9/16"	G-2802 Ejector blade controller lever spring eye 4-48 x 23/64"
F-6150 Automatic ejector control ejector blade controller lever segment shifting lever, l.h., key	G-3647 Automatic ejector control locating slide lifting lever roll stud nut 5/16"-18 x 5/16"
F-6873 Ejector blade controller lever latch handle spring	H-1932 Ejector blade controller lever latch handle locking piece pin
F-7384 Ejector blade controller lever segment	I-1027 Automatic ejector control ejector blade controller lever segment shifting lever, l.h., spring 1/4" x .876"
F-7385 Ejector blade controller lever segment extension	I-3087 Automatic ejector control ejector blade controller lever segment shifting lever, l.h., adjusting screw nut 5/16"-18 x 3/16"
F-7386 Ejector blade controller lever segment, assembled	J- 463 Automatic ejector control ejector blade controller lever setting lever adjusting rod nut, upper, 1/4"-24 x 3/16"
F-7387 Ejector blade controller lever segment screw (use with air-cooled mold) 1/4"-24 x 23/32"	J- 463 Ejector blade controller lever stud, lower, nut 1/4"-24 x 3/16"
F-7388 Ejector blade controller lever segment screw (use with air-cooled mold) 1/4"-24 x 13/16"	J- 511 Ejector blade controller lever segment dowel
F-7389 Ejector blade controller lever (use with air-cooled mold)	
F-7391 Ejector blade controller lever latch handle	
F-7392 Ejector blade controller lever latch	
F-7393 Ejector blade controller lever latch screw	
F-7394 Ejector blade controller lever stud, upper	
F-7397 Ejector blade controller lever stud, lower	
F-7398 Automatic ejector control ejector blade controller lever segment shifting lever shaft	
F-7399 Automatic ejector control ejector blade controller lever segment shifting lever, r.h.	

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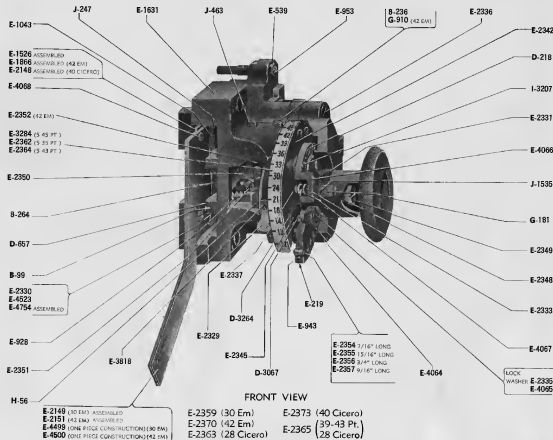


- A- 56 Ejector blade controller lever stud set screw 1/4"-24 x 5/8"
 B- 317 Mold disk guide support screw washer 1/2" I.D. x 1" O.D. x 1/16"
 B- 739 Ejector blade controller lever stud set screw 1/4"-24 x 1"
 B8-597 Automatic ejector control ejector blade controller lever setting lever stud
 C- 471 Automatic ejector control mold disk guide detent ball
 D- 131 Ejector blade controller lever bracket screw 3/8"-16 x 1 1/8"
 D- 846 Vise automatic stop guide stud screw 6-48 x 5/16"
 D- 974 Automatic ejector control locating slide extension dowel .160" x 1/2"
 D- 979 Automatic ejector control locating slide extension screw 10-32 x 1/3"
 E- 27 Automatic ejector control mold disk guide bracket adjusting screw 1/4"-24 x 1"
 E- 90 Automatic ejector control ejector blade controller lever setting lever bracket screw 3/8"-16 x 1 1/4"
 E- 224 Automatic ejector control frame screw 5/16"-18 x 15/16"
 E- 430 Mold disk guide support screw lock nut 1/2"-12 x 11/16" x 3/8"
 E-1004 Automatic ejector mold disk guide detent ball spring retaining screw 14-24 x 1/4"
 E-1523 Vise automatic stop rod spring
 E-2107 Vise automatic stop rod guide
 E-2108 Vise automatic stop rod guide stud
 E-2109 Vise automatic stop rod guide spring stud, r.h.
 E-2110 Vise automatic stop rod guide spring stud, l.h.
 E-2111 Vise automatic stop rod guide, assembled
 E-3613 Automatic ejector control mold disk guide retaining screw
 E-3816 Automatic ejector control locating slide operating lever screw lock washer
 E-3864 Knife, back, waste metal chute
 E-3865 Knife, back, waste metal chute, auxiliary
 E-4265 Mold disk guide support screw washer
 F- 267 Knife, back, waste metal chute (auxiliary) screw 6-48 x 3/16"
 F-1305 Ejector blade controller lever stud

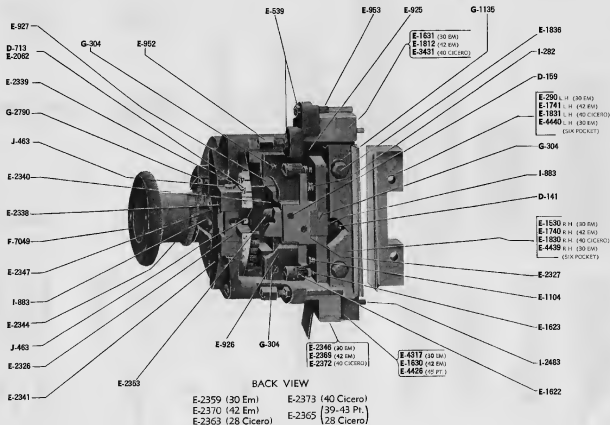
- F-6336 Knife, back, screw
 F-7383 Ejector blade controller lever bracket
 F-7395 Automatic ejector control ejector blade controller lever setting lever bracket
 F-7396 Automatic ejector control ejector blade controller lever setting lever
 F-7437 Automatic ejector control locating slide
 F-7438 Automatic ejector control locating slide extension
 F-7441 Automatic ejector control mold disk guide bracket
 F-7442 Automatic ejector control mold disk guide
 F-7443 Mold disk guide support screw
 F-7444 Pot gas burner connecting pipe bracket
 F-7852 Automatic ejector control mold disk guide and bracket, assembled
 F-7854 Automatic ejector control locating slide and extension, assembled
 F-8048 Pot mouth burner connecting pipe coupling 3/8" pipe thrd. x 1"
 F-8049 Pot mouth burner connecting pipe nipple, short 3/8" pipe thrd. x 1"
 F-8050 Pot mouth burner connecting pipe nipple, long 3/8" pipe thrd. x 2 1/2"
 F-8051 Pot mouth burner connecting tube, long
 G- 139 Automatic ejector control ejector blade controller lever segment shifting lever, l.h., spring hook
 G-1032 Automatic ejector control mold disk guide pin .187" x 5/16"
 H- 457 Pot gas burner connecting pipe bracket screw washer 17/64" x 5/8" x 1/16"
 H-1255 Automatic ejector control mold disk guide detent ball spring
 H-3241 Knife, back, waste metal chute washer .196" x 1/2" x 1/16"
 I- 186 Automatic ejector control ejector blade controller lever setting lever stud nut 3/8"-15 x 5/8" x 1/4"
 J- 463 Automatic ejector control mold disk bracket adjusting screw nut 1/4"-24 x 3/8" x 5/16"
 J-1233 Knife, back, waste metal chute screw 10-32 x 1/2"
 J-1245 Pot gas burner connecting pipe bracket screw 14-24 x 7/8"

Parts are for All Models Unless Otherwise Specified

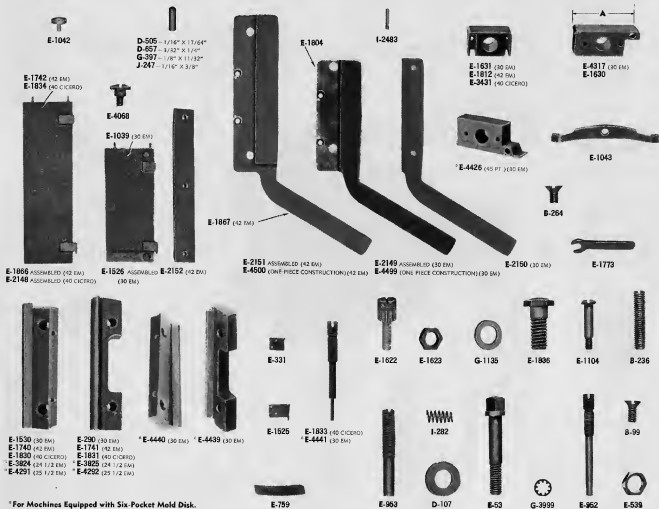
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Check Parts by Referring to Text Pages.



Check Parts by Referring to Text Pages.



*For Machines Equipped with Six-Pocket Mold Disk.

- B- 99 Knife, r.h., slug plate screw 8-32 x 3/8"
 B- 236 Knife, r.h., slide gib, inside, set screw 1/4"-24 x 1 1/4"
 B- 264 Knife, r.h., spring plate spring screw 8-32 x 5/16"
 D- 107 Knife, l.h., screw washer
 D- 505 Knife, r.h., spring plate lug rivet 1/16" x 17/64"
 D- 657 Knife, r.h., slug plate dowel 3/32" x 1/4"
 E- 15 Knife, r.h., setting screw actuating cam lever detent spring screw (30 em)
 E- 53 Knife, l.h., screw
 E- 290 Knife, l.h. (30 em)
 E- 331 Knife, r.h., spring plate lug, upper
 E- 430 Knife, r.h., setting screw actuating cam lever detent spring screw nut (30 em) 1/2"-12 x 3/16"
 E- 539 Knife, l.h., adjusting screw nut 3/8"-32 x 1/2"
 E- 539 Vise jaw, r.h., adjusting screw nut 3/8"-32 x 1/2"
 E- 759 Knife, l.h., adjusting spring
 E- 952 Knife, l.h., adjusting screw
 E- 953 Vise jaw, r.h., adjusting screw
 E- 1039 Knife, r.h., spring plate (30 em)
 E- 1042 Knife, r.h., spring plate stud
 E- 1043 Knife, r.h., spring plate spring
 E- 1104 Knife, r.h., spring screw 8-32 x 1/4"
 E- 1525 Knife, r.h., spring plate lug, lower
 E- 1526 Knife, r.h., spring plate, assembled (30 em) (specify when used with six-pocket mold disk)
 E- 1530 Knife, r.h. (30 em)
 E- 1622 Knife, r.h., adjusting screw
 E- 1623 Knife, r.h., adjusting screw nut 1/4"-40 x 3/8"
 E- 1630 Knife, r.h., liner, lower (A=2 25/32")
 E- 1631 Knife, r.h., liner, upper (30 em)
 E- 1740 Knife, r.h. (42 em)
 E- 1741 Knife, l.h. (42 em)
 E- 1742 Knife, r.h., spring plate (42 em)
 E- 1773 Knife, r.h., adjusting screw nut wrench
 E- 1804 Knife, r.h., slug plate

- E- 1812 Knife, r.h., liner, upper (42 em)
 E- 1830 Knife, r.h. (didot) (40 cicero)
 E- 1831 Knife, l.h. (didot) (40 cicero)
 E- 1833 Knife, l.h., adjusting screw (didot) (40 cicero)
 E- 1834 Knife, r.h., spring plate (40 cicero)
 E- 1836 Knife, r.h., screw 3/8"-18 x 7/8"
 E- 1866 Knife, r.h., spring plate, assembled (42 em)
 E- 1867 Knife, r.h., slug plate (42 em)
 E- 2148 Knife, r.h., spring plate, assembled (didot) (40 cicero)
 E- 2149 Knife, r.h., slug plate, assembled (30 em)
 E- 2150 Knife, r.h., slug plate spacer (30 em)
 E- 2151 Knife, r.h., slug plate, assembled (42 em)
 E- 2152 Knife, r.h., slug plate spacer (42 em)
 E- 3431 Knife, r.h., liner, upper (40 cicero)
 E- 3824 Knife, r.h. (24 1/2 em) (six-pocket mold disk)
 E- 3825 Knife, l.h. (24 1/2 em) (six-pocket mold disk)
 E- 4068 Knife, r.h., spring plate connecting screw
 E- 4291 Knife, r.h. (25 1/2 em) (six-pocket mold disk)
 E- 4292 Knife, l.h. (25 1/2 em) (six-pocket mold disk)
 E- 4317 Knife, r.h., liner, lower (30 em) (A=2 3/4")
 E- 4426 Knife, r.h., liner, lower (45 point) (six-pocket mold disk)
 E- 4439 Knife, l.h. (30 em) (six-pocket mold disk)
 E- 4440 Knife, r.h. (30 em) (six-pocket mold disk)
 E- 4441 Knife, l.h., adjusting screw, upper (30 em) (six-pocket mold disk)
 E- 4499 Knife, r.h., slug plate (one-piece construction) (30 em)
 E- 4500 Knife, r.h., slug plate (one-piece construction) (42 em)
 E- 4738 Knife, r.h., setting screw actuating cam lever detent spring screw (30 em)
 G- 397 Knife, r.h., slug plate spacer pin 1/8" x 11/32"
 G- 1135 Knife, r.h., screw washer
 G- 3999 Knife, r.h., screw lock washer
 G- 3999 Knife, l.h., screw lock washer
 I- 282 Knife, r.h., spring
 I- 2483 Knife, r.h., liner dowel 3/16" x 1 15/16"
 J- 247 Knife, r.h., spring plate retaining pin 1/16" x 3/8"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



F-2342



E-2333



E-2337

E-2336 - 5/16" X 1 1/2"
E-2351 - 1/4" X 2 1/2"

E-2344



F-7049



E-2335



E-4064



E-4065

BB-134 - 1/8" X 3/8"
D-218 - 1/8" X 1/2"
F-463 - 3/8" X 5/8"
J-247 - 0525" X 3/8"



E-4067



J-1535



E-2331



G-2790



E-4066



E-2328



E-2341

G-181 - 5/32" X 21/64"
I-883 - 3/16" X 1 1/8"

D-141



E-2330



E-925



E-926



E-927



G-910 (42 CM)



E-2352



E-2348



E-928



E-2347



E-2350



E-2349



H-56

E-2354 - 310° 32 X 7/16"
E-2355 - 310° 32 X 15/16"
E-2356 - 310° 32 X 3/4"
E-2357 - 310° 32 X 9/16"



E-974



E-2340



E-2326



E-2338



E-2339

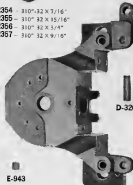


J-463

E-3818 - 10 32 X 1/2"
G-304 - 3/4" X 2 1/2 X 1/32"
I-3207 - 1/4" X 2 1/2 X 1/32"



E-2349



D-3254



D-3067



E-2345



E-3284 (5 45 PT.)
E-2362 (5 35 PT.) (DIDOT)
E-2364 (5 48 PT.) (DIDOT)



D-159 - 8-32 X 19/64"
D-713 - 4-48 X 7/32"
E-2062 - 4-48 X 1/4"



E-2327



E-2329



E-2353



E-219

E-2346 (30 CM)
E-2369 (42 CM)
E-2372 (40 CIRCRO)

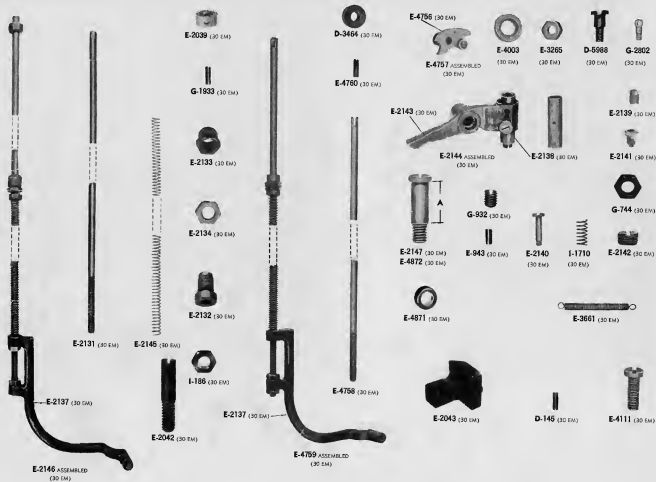
88-134 Knife, r.h., sector turn knob stop and releasing collar
stop pin 1/8" x 3/8"

- D- 141 Knife, r.h., slide screw 1/4"-24 x 1"
- D- 159 Knife, r.h., adjusting screw pointer screw 8-32 x 3/16"
- D- 218 Knife, r.h., sector turn knob lock dowel 1/8" x 1/2"
- D- 713 Knife, r.h., point scale screw 4-48 x 5/32"
- D-3067 Knife, r.h., block facing screw 8-32 x 7/16"
- D-3264 Knife, r.h., block facing dowel 1/8" x 7/16"
- E- 219 Knife, r.h., setting screw set screw 10-32 x 9/32"
- E- 925 Knife, r.h., slide gib, wiper, outside
- E- 926 Knife, r.h., slide gib, lower, outside
- E- 927 Knife, r.h., slide gib, inside
- E- 928 Knife, r.h., slide spring
- E- 943 Knife, r.h., setting screw set screw shoe
- E- 974 Knife, r.h., block screw 1/2"-12 x 2"
- E-2062 Knife, r.h., point scale screw 4-48 x 13/64"
- E-2326 Knife, r.h., slide bracket support
- E-2327 Knife, r.h., adjusting screw pointer
- E-2328 Knife, r.h., sector turn knob lock
- E-2329 Knife, r.h., point scale pointer
- E-2330 Knife, r.h., slide
- E-2331 Knife, r.h., sector turn knob lock spring
- E-2333 Knife, r.h., sector locating pin
- E-2335 Knife, r.h., sector turn knob releasing pawl lock washer
- E-2336 Knife, r.h., sector cover screw
- E-2337 Knife, r.h., sector locating pin bushing
- E-2338 Knife, r.h., slide bracket support gib
- E-2339 Knife, r.h., slide bracket support gib screw
- E-2340 Knife, r.h., slide bracket
- E-2341 Knife, r.h., sector cover
- E-2342 Knife, r.h., sector
- E-2344 Knife, r.h., sector turn knob
- E-2345 Knife, r.h., block facing
- E-2346 Knife, r.h., block (30 em)
- E-2347 Knife, r.h., slide pusher rod bearing

Parts are for All Models Unless Otherwise Specified

- E-2348 Knife, r.h., slide pusher rod
- E-2349 Knife, r.h., slide pusher rod screw 3/8"-16 x 1 1/2"
- E-2350 Knife, r.h., slide pusher roll
- E-2351 Knife, r.h., slide pusher roll shoulder screw
- E-2352 Knife, r.h., slide pusher cam
- E-2353 Knife, r.h., setting screw button
- E-2354 Knife, r.h., setting screw .310"-32 x 7/16"
- E-2355 Knife, r.h., setting screw .310"-32 x 15/16"
- E-2356 Knife, r.h., setting screw .310"-32 x 3/4"
- E-2357 Knife, r.h., setting screw .310"-32 x 9/16"
- E-2362 Knife, r.h., point scale, didot (5-39 pt.)
- E-2364 Knife, r.h., point scale, didot (5-43 pt.)
- E-2369 Knife, r.h., block (42 em)
- E-2372 Knife, r.h., block (40 cicero)
- E-3284 Knife, r.h., point scale (5-45 pt.)
- E-3818 Knife, r.h., point scale pointer screw 10-32 x 3/8"
- E-4064 Knife, r.h., sector turn knob stop and releasing collar
- E-4065 Knife, r.h., sector, turn knob stop and releasing collar stud
- E-4066 Knife, r.h., sector turn knob lock
- E-4067 Knife, r.h., sector locating pin yoke
- F- 463 Knife, r.h., sector stop pin 3/16" x 5/8"
- F-7049 Knife, r.h., block sector turn knob grip
- G- 181 Knife, r.h., sector locating pin yoke dowel 5/32" x 21/64"
- G- 304 Knife, r.h., slide bracket support screw 1/4"-24 x 1/2"
- G- 304 Knife, r.h., slide gib screw 1/4"-24 x 1/2"
- G- 910 Knife, r.h., slide gib, inside, set screw (42 em) 1/4"-24 x 1 3/4"
- G-2790 Knife, r.h., sector turn knob lock spring eye
- H- 56 Knife, r.h., cam taper dowel pin 5/32" x 15/16"
- I- 883 Knife, r.h., sector turn knob drive pin 3/16" / 1 1/8"
- I- 883 Knife, r.h., slide dowel 3/16" x 1 1/8"
- I-3207 Knife, r.h., sector turn knob lock screw 1/4"-24 x 5/8"
- J- 247 Knife, r.h., slide detent pointer operating arm
- J- 463 Knife, r.h., slide bracket support gib screw nut 1/4"-24 x 3/8"
- J- 463 Knife, r.h., slide gib, inside, set screw nut 1/4"-24 x 3/8"
- J-1535 Knife, r.h., sector locating pin yoke screw 10-32 x 1/2"

Please Give Model and Serial Number When Ordering



- D-145 First elevator slide gib, lower, r.h., dowel (30 em) 1/8" x 5/8"
 D-3464 Knife wiper bar rod roller (30 em)
 D-5988 Knife wiper operating lever roll screw
 E-943 Knife wiper operating lever screw set screw shoe (30 em)
 E-2039 Knife wiper bar rod collar (30 em)
 E-2042 Knife wiper bar rod operating stud (30 em) 5/16"-18 x 1 1/2"
 E-2043 First elevator slide gib, lower, r.h. (30 em)
 E-2043 First elevator slide gib, upper, r.h. (30 em)
 E-2131 Knife wiper bar rod (30 em)
 E-2132 Knife wiper bar rod adjusting collar (30 em)
 E-2133 Knife wiper bar rod adjusting nut (30 em)
 E-2134 Knife wiper bar rod adjusting nut lock nut (30 em) 9/16"-20 x 3/4"
 E-2137 Knife wiper bar link (30 em)
 E-2138 Knife wiper operating lever adjusting rod (30 em)
 E-2139 Knife wiper operating lever adjusting rod shoe (30 em)
 E-2140 Knife wiper operating lever adjusting rod pin (30 em) 5-40 x 19/32"
 E-2141 Knife wiper operating lever adjusting rod pin knob (30 em)
 E-2142 Knife wiper operating lever adjusting rod shoe adjusting screw (30 em) 3/8"-32 x 1/4"
 E-2143 Knife wiper operating lever (30 em)
 E-2144 Knife wiper operating lever, assembled (30 em)
- E-2145 Knife wiper bar rod spring (30 em)
 E-2146 Knife wiper bar rod, assembled (30 em)
 E-2147 Knife wiper operating lever screw (30 em) 5/16"-18 x 3/8"
 E-3265 Knife wiper operating lever roll screw nut (30 em) 8-32 x 1/8"
 E-3661 Knife wiper operating lever spring (30 em)
 E-4003 Knife wiper operating lever roll (30 em)
 E-4111 First elevator slide gib screw 5/16"-24 x 7/8"
 E-4756 Knife wiper operating lever (30 em)
 E-4757 Knife wiper operating lever, assembled (30 em)
 E-4758 Knife wiper bar rod (30 em)
 E-4759 Knife wiper bar rod, assembled (30 em)
 E-4760 Knife wiper bar rod pin (30 em) .187" x 3/8"
 E-4871 Knife wiper operating lever collar
 E-4872 Knife wiper operating lever screw, A=1.095"
 G-744 Knife wiper bar rod operating stud lock nut (30 em) 5/16"-18 x 1/2"
 G-932 Knife wiper operating lever screw set screw (30 em) 8-32 x 1/8"
 G-1933 Knife wiper bar rod adjusting collar pin (30 em) 5/32" x .710"
 G-1933 Knife wiper bar rod collar pin (30 em) 5/32" x .710"
 G-2802 Knife wiper operating lever spring eye (30 em)
 I-186 Knife wiper bar link adjusting nut (30 em) 3/8"-16 x 5/8"
 I-1710 Knife wiper operating lever adjusting rod pin knob spring (30 em)

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



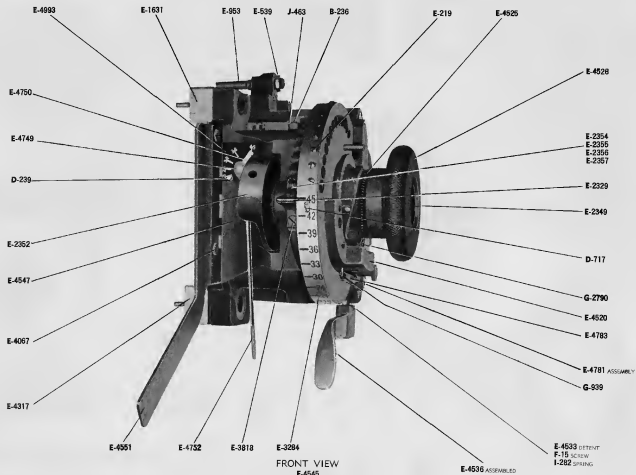
*For Machines Equipped with Six-Pocket Mold Disk.

- B- 99 Knife wiper bar plate screw (42 em) 8-32 x 3/8"
 C- 123 Knife wiper lever cotter pin (42 em) 5/32" x 3/4"
 D- 34 Mold banking block, lower, screw 8-32 x 1/2"
 D- 168 Knife wiper screw (42 em) 4-48 x 1/4"
 D- 977 Mold banking block, lower, dowel 5/32" x 7/16"
 E- 42 Knife wiper bar cotter pin (30 em) 3/32" x 1/2"
 E- 179 Knife wiper bar guide pin (42 em) .139" x 1"
 E- 525 Knife wiper bar link screw washer (42 em) .255" x 7/16" x 1/16"
 E- 797 Knife wiper bar plate (42 em)
 E- 804 Knife wiper lever roll (42 em)
 E- 805 Knife wiper lever roll screw (42 em)
 E- 806 Knife wiper lever roll bracket (42 em)
 E-1105 Knife wiper lever bracket (42 em)
 E-1106 Knife wiper lever washer (42 em) 7/16" x 3/4" x 1/16"
 E-1466 Knife wiper bar link screw (42 em)
 E-1654 Knife wiper lever bracket screw washer (42 em) 1/4" x 1/16" x 3/64"
 E-1654 Knife wiper lever roll bracket screw washer (42 em) 1/4" x 1/16" x 3/64"
 E-1712 Mold banking block, lower (42 em)
 E-1756 Knife wiper lever (42 em)
 E-1757 Knife wiper bar link (42 em)
 E-1758 Knife wiper bar link stud (42 em)
 E-1759 Knife wiper lever, assembled (42 em)

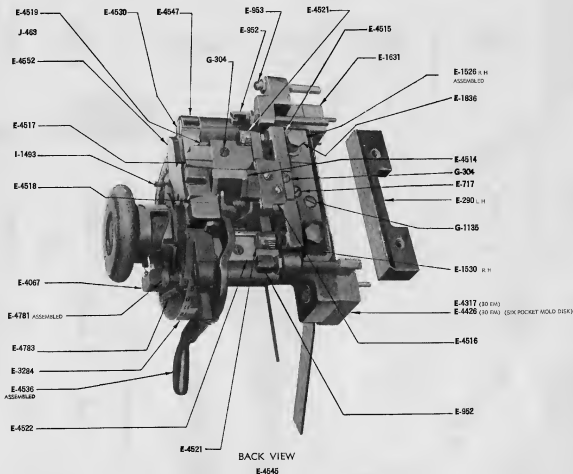
Parts are for All Models Unless Otherwise Specified

- E-2007 Knife wiper (42 em)
 E-2026 Knife wiper bar (42 em)
 E-2027 Knife wiper bar, assembled (42 em)
 E-2036 Knife wiper bar spring (30 em)
 E-2044 Mold banking block, lower (30 em)
 E-2045 Mold banking block, lower, cotter pin (30 em)
 E-2062 Knife wiper screw (30 em) 4-48 x 3/16"
 E-4423 Knife wiper bar rod clamp (back section) (six pocket mold disk)
 E-4424 Knife wiper bar rod clamp (front section) (six pocket mold disk)
 E-4425 Knife wiper bar rod clamp (six pocket mold disk), assembled
 E-4692 Knife wiper dowel (30 em) (.046" x 9/64")
 E-5888 Knife wiper (30 em)
 E-5889 Knife wiper bar (30 em)
 E-5890 Knife wiper bar (six pocket mold disk) (30 em)
 E-5891 Knife wiper bar, assembled (30 em)
 E-5892 Knife wiper bar, assembled (six pocket mold disk) (30 em)
 F- 904 Knife wiper lever bracket screw (42 em) 1/4"-24 x 9/16"
 F- 904 Knife wiper lever roll bracket screw (42 em) 1/4"-24 x 9/16"
 G- 274 Knife wiper bar rod clamp screw (six pocket mold disk)
 G- 643 Knife wiper dowel (30 em) 3/64" x 9/64"
 G- 829 Knife wiper bar rod clamp set screw (six pocket mold disk)
 J- 463 Knife wiper lever roll screw nut (42 em) 1/4"-24 x 3/8"
 J-1228 Knife wiper bar link screw nut (42 em) 10-32 x 5/16"

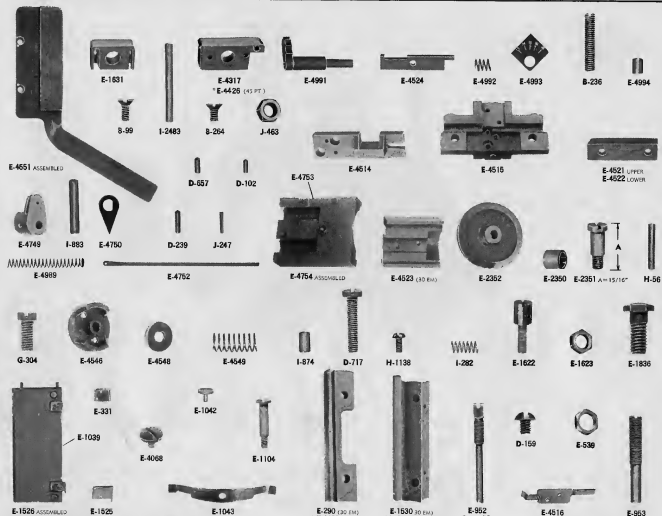
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Check Parts by Referring to Text Pages.



Check Parts by Referring to Text Pages.



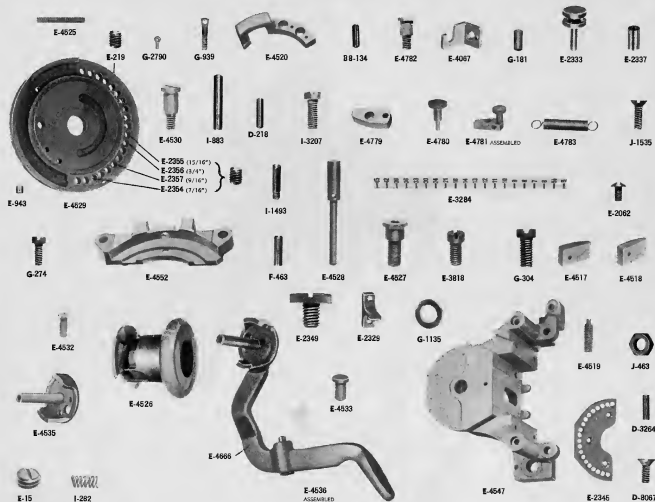
* SIX POCKET MOLD DISK

B- 99 Knife, r.h., slug plate screw 8-32 x 1/4"
 B- 236 Knife, r.h., slide gib, inside, set screw 1/4"-24 x 1 1/4"
 B- 264 Knife, r.h., spring plate spring screw 8-32 x 5/16"
 D- 102 Knife, r.h., slide detent pointer operating rod pin 1/16" x 3/16"
 D- 159 Knife, r.h., adjusting screw pointer screw 8-32 x 3/16"
 D- 239 Knife, r.h., slide detent pointer stop pin 3/32" x 3/8"
 D- 657 Knife, r.h., slug plate dowel .003" x 1/4"
 D- 717 Knife, r.h., slide screw 1/4"-24 x 1 3/16"
 E- 290 Knife, l.h.
 E- 331 Knife, r.h., spring plate lug, upper
 E- 539 Knife, l.h., adjusting screw nut 3/8"-32 x 1/8"
 E- 539 Vise jaw, r.h., adjusting screw nut 3/8"-32 x 1/8"
 E- 952 Knife, l.h., adjusting screw
 E- 953 Vise jaw, r.h., adjusting screw 3/8"-32 x 1 9/32"
 E-1042 Knife, r.h., spring plate stud
 E-1043 Knife, r.h., spring plate spring
 E-1104 Knife, r.h., spring screw 8-32 x 1"
 E-1525 Knife, r.h., spring plate lug, lower
 E-1526 Knife, r.h., spring plate, assembled
 E-1530 Knife, r.h.
 E-1622 Knife, r.h., adjusting screw
 E-1623 Knife, r.h., adjusting screw nut 1/4"-40 x 3/8" x 1/8"
 E-1631 Knife, r.h., liner, upper
 E-1836 Knife, r.h., screw 3/8"-16 x .875"
 E-2350 Knife, r.h., slide pusher roll
 E-2351 Knife, r.h., slide pusher roll shoulder screw 1/4"-24 x 15/16"
 E-2352 Knife, r.h., slide pusher cam
 E-3826 Knife, l.h., adjusting screw, lower (six pocket mold disk) 3 7/8" long
 E-4068 Knife, r.h., spring plate connecting screw
 E-4317 Knife, r.h., liner, lower
 E-4426 Knife, r.h., liner, lower (45 pt.) (six pocket mold disk)
 E-4439 Knife, l.h. (six pocket mold disk) (30 cm)

Parts are for All Models Unless Otherwise Specified

E-4440 Knife, r.h. (six pocket mold disk) (30 cm)
 E-4514 Knife, r.h., slide bracket support
 E-4515 Knife, r.h., slide bracket
 E-4516 Knife, r.h., adjusting screw pointer
 E-4521 Knife, r.h., slide gib, upper, outside
 E-4522 Knife, r.h., slide gib, lower, outside
 E-4524 Knife, r.h., slide gib, inside
 E-4546 Knife, r.h., setting screw cam
 E-4548 Knife, r.h., setting screw cam actuating cam spring washer
 E-4549 Knife, r.h., setting screw actuating cam spring 9/16" x 1"
 E-4551 Knife, r.h., slug plate
 E-4749 Knife, r.h., slide detent pointer operating arm
 E-4750 Knife, r.h., slide detent pointer
 E-4752 Knife, r.h., slide detent pointer operating rod
 E-4753 Knife, r.h., slide
 E-4754 Knife, r.h., slide, assembled
 E-4989 Knife, r.h., slide spring, advertising
 E-4991 Knife, r.h., slide detent
 E-4992 Knife, r.h., slide detent friction spring
 E-4993 Knife, r.h., slide detent scale
 E-4994 Knife, r.h., slide stop pin 1/4" x 3/16"
 G- 304 Knife, r.h., slide gib screw 1/4"-24 x 1/2"
 H- 56 Knife, r.h., cam taper dowel pin 5/32" x 15/16"
 H-1138 Knife, r.h., setting screw cam actuating cam spring washer
 screw 5-40 x 1/4"
 I- 282 Knife, r.h., spring
 I- 874 Knife, r.h., setting screw cam dowel .1875" x 11/32"
 I- 883 Knife, r.h., slide dowel 3/16" x 1 1/8"
 I-2483 Knife, r.h., liner dowel .1875" x 11/32"
 J- 247 Knife, r.h., slide detent pointer operating arm pin 1/16" x 3/8"
 J- 247 Knife, r.h., spring plate retaining pin 1/16" x 3/8"
 J- 463 Knife, r.h., slide gib, inside, set screw nut 1/4"-24 x 3/16"

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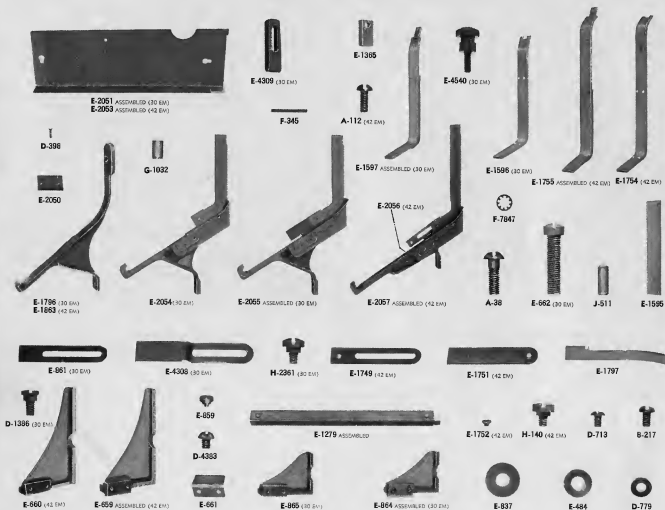


- BB-134 Knife, r.h., sector turn knob stop and releasing collar stop
pin 1/8" x 3/8"
- D- 218 Knife, r.h., sector turn knob lock dowel 1/8" x 1/2"
- D-3067 Knife, r.h., block facing screw 8-32 x 7/18"
- D-3264 Knife, r.h., block facing dowel .125" x 7/18"
- E- 15 Knife, r.h., setting screw actuating cam lever detent spring
screw 1/2"-12 x 1/4"
- E- 219 Knife, r.h., setting screw set screw 10-32 x 9/32"
- E- 943 Knife, r.h., setting screw set screw shoe
- E-2062 Knife, r.h., point scale screw 4-48 x 13/64"
- E-2329 Knife, r.h., point scale pointer
- E-2333 Knife, r.h., sector locating pin
- E-2337 Knife, r.h., sector locating pin bushing
- E-2345 Knife, r.h., block facing
- E-2349 Knife, r.h., slide pusher rod screw 3/8"-10 x 1/2"
- E-2354 Knife, r.h., setting screw .310"-32 x 7/18" long
- E-2355 Knife, r.h., setting screw .310"-32 x 15/18" long
- E-2356 Knife, r.h., setting screw .310"-32 x 3/4" long
- E-2357 Knife, r.h., setting screw .310"-32 x 9/16" long
- E-3284 Knife, r.h., point scale
- E-3818 Knife, r.h., point scale pointer screw
- E-4067 Knife, r.h., sector locating pin yoke
- E-4517 Knife, r.h., slide bracket support gib, upper
- E-4518 Knife, r.h., slide bracket support gib, lower
- E-4519 Knife, r.h., slide bracket support gib screw
- E-4520 Knife, r.h., sector turn knob lock
- E-4525 Knife, r.h., sector turn knob lock spring .245" x 2 1/8"
- E-4526 Knife, r.h., sector push turn knob
- E-4527 Knife, r.h., slide rod bearing
- E-4528 Knife, r.h., slide pusher rod
- E-4529 Knife, r.h., sector

Parts are for All Models Unless Otherwise Specified

- E-4530 Knife, r.h., sector cover screw
- E-4532 Knife, r.h., setting screw actuating cam lever rivet
- E-4533 Knife, r.h., setting screw cam lever detent
- E-4535 Knife, r.h., setting screw actuating cam
- E-4536 Knife, r.h., setting screw actuating cam lever and actuating
cam, assembled (30 em)
- E-4547 Knife, r.h., block
- E-4552 Knife, r.h., sector cover
- E-4666 Knife, r.h., setting screw actuating cam lever
- E-4779 Knife, r.h., sector turn knob stop and releasing latch
- E-4780 Knife, r.h., sector turn knob stop and releasing latch knob
- E-4781 Knife, r.h., sector turn knob stop and releasing latch, assembled
- E-4782 Knife, r.h., sector turn knob stop and releasing latch stud
- E-4783 Knife, r.h., sector turn knob stop and releasing latch spring
- F- 463 Knife, r.h., sector stop pin 3/16" x 5/8"
- G- 181 Knife, r.h., sector locating pin yoke dowel 5/32" x 21/64"
- G- 274 Knife, r.h., setting screw cam screw 8-32 x 3/8"
- G- 304 Knife, r.h., slide bracket support screw 1/4"-24 x 1/2"
- G- 939 Knife, r.h., sector turn knob stop and releasing latch spring
eye, long
- G-1135 Knife, r.h., screw washer
- G-2790 Knife, r.h., sector turn knob lock spring eye
- G-2790 Knife, r.h., sector turn knob stop and releasing latch spring
eye, short
- I- 282 Knife, r.h., setting screw actuating cam lever detent spring
- I- 883 Knife, r.h., sector turn knob drive pin 3/16" x 1 1/8"
- I-1493 Knife, r.h., sector turn knob stop screw 10-32 x 3/4"
- I-3207 Knife, r.h., sector turn knob lock screw 1/4"-24 x 5/8"
- J- 463 Knife, r.h., slide bracket support gib screw nut 1/4"-24 x 3/16"
- J-1535 Knife, r.h., sector locating pin yoke screw 10-32 x 1/2"

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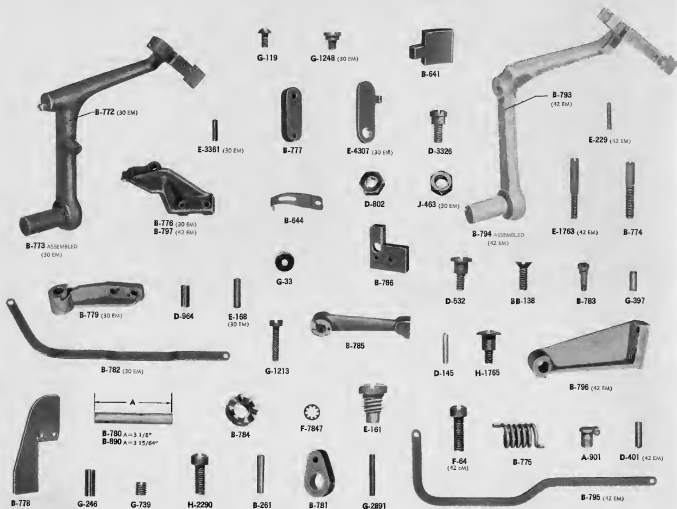


A- 38 Galley bracket screw, upper (30 em) 14-24 x 3/4"
 A- 38 Galley bracket screw (42 em) 14-24 x 3/4"
 A- 112 Galley slug adjuster screw (42 em) 8-32 x 3/8"
 B- 217 Galley slug spring washer screw 8-32 x 1/4"
 D- 398 Galley slug adjuster leather rivet
 D- 398 Galley slug buffer rivet
 D- 713 Galley slug spring screw 4-48 x 5/32"
 D- 779 Galley slug spring washer
 D-1386 Galley finger screw (30 em)
 D-4383 Galley slide spring screw (30 em) 8-32 x 3/16"
 D-4383 Galley slide, short, spring screw (42 em) 8-32 x 3/16"
 D-4383 Galley slide, long, spring screw (42 em) 8-32 x 3/16"
 E- 484 Galley finger screw spring washer
 E- 659 Galley slide, long, assembled (42 em)
 E- 660 Galley slide, long (42 em)
 E- 661 Galley slide, long, spring (42 em)
 E- 661 Galley slide spring
 E- 661 Galley slide, short, spring (42 em)
 E- 662 Galley bracket screw, lower (30 em) 8/16"-24 x 1 1/4"
 E- 837 Galley finger screw washer
 E- 859 Galley rail button
 E- 861 Galley finger (30 em)
 E- 864 Galley slide, assembled (30 em)
 E- 864 Galley slide, short, assembled (42 em)
 E- 865 Galley slide
 E-1279 Galley rail, assembled
 E-1365 Galley slug adjuster hinge

E-1595 Galley slug adjuster leather
 E-1596 Galley slug adjuster (30 em)
 E-1597 Galley slug adjuster, assembled (30 em)
 E-1749 Galley finger (42 em)
 E-1751 Galley finger extension (42 em)
 E-1752 Galley finger extension shoulder pin (42 em)
 E-1754 Galley slug adjuster (42 em)
 E-1755 Galley slug adjuster, assembled (42 em)
 E-1796 Galley bracket, l.h. (30 em)
 E-1797 Galley slug spring
 E-1863 Galley bracket, l.h. (42 em)
 E-2050 Galley slug buffer
 E-2051 Galley, assembled (30 em)
 E-2053 Galley, assembled (42 em)
 E-2054 Galley bracket, r.h.
 E-2055 Galley bracket, r.h., assembled (30 em)
 E-2056 Galley bracket, r.h. (42 em)
 E-2057 Galley bracket, r.h., assembled (42 em)
 E-4308 Galley finger, auxiliary (30 em)
 E-4309 Galley slug adjuster hinge (30 em)
 E-4540 Galley slug adjuster screw (30 em)
 F- 345 Galley slug adjuster hinge pin 1/18" x 3/4"
 F-7847 Galley bracket screw, upper, lock washer
 G-1032 Galley locating pin 3/16" x 5/16"
 H- 140 Galley finger screw (42 em) 8-32 x 3/16"
 H-2361 Galley finger screw (30 em)
 J- 511 Galley bracket, r.h., dowel 3/16" x 1/2"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



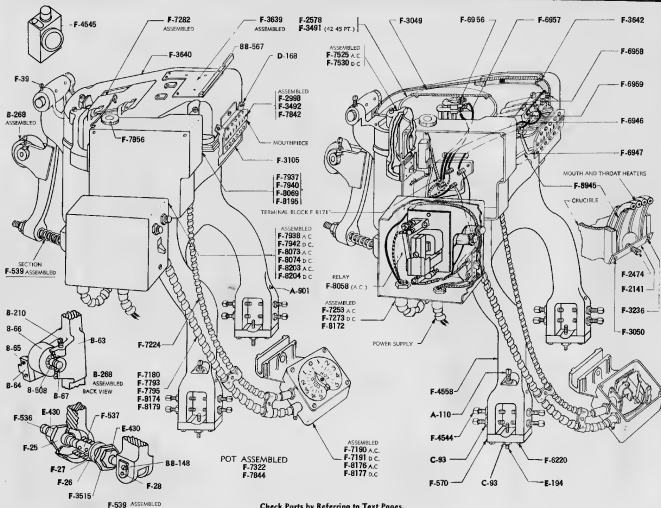
- A- 901 Slug lever oil hole cover
 B- 261 Slug lever link arm dowel 5/32" x 25/32"
 B- 641 Slug lever slug buffer
 B- 644 Slug lever slug buffer spring
 B- 772 Slug lever (30 em)
 B- 773 Slug lever, assembled (30 em)
 B- 774 Slug lever adjusting screw 1/4"-24 x 1 1/2" x 7/8"
 B- 775 Slug lever operating arm, l.h., torsion spring
 B- 776 Slug lever stop bracket (30 em)
 B- 777 Slug lever stop
 B- 778 Slug lever operating cam
 B- 779 Slug lever operating arm shaft bracket (30 em)
 B- 780 Slug lever operating arm shaft (A=3 1/8")
 B- 781 Slug lever link arm
 B- 782 Slug lever link (30 em)
 B- 783 Slug lever link eccentric stud
 B- 784 Slug lever operating arm, l.h., torsion spring adjusting collar
 B- 785 Slug lever operating arm
 B- 786 Slug lever operating arm sliding piece
 B- 793 Slug lever (42 em)
 B- 794 Slug lever, assembled (42 em)
 B- 795 Slug lever link (42 em)
 B- 796 Slug lever operating arm shaft bracket (42 em)
 B- 797 Slug lever stop bracket (42 em)
 B- 890 Slug lever operating arm shaft (42 em) (A=3 15/64")
 BB-138 Slug lever operating arm retaining washer screw 8-32 x 1 1/2"
 D- 145 Slug lever stop pin 1/8" x 5/8"
 D- 401 Slug lever operating arm shaft bracket dowel (42 em) 1/8" x 7/16"
 D- 532 Slug lever operating arm sliding piece screw
 D- 802 Slug lever link eccentric stud nut 8-32 x 5/16"
 D- 964 Galley stop pin
 D-3326 Slug lever link fulcrum screw
 E- 161 Slug lever shaft screw
 E- 168 Slug lever operating arm shaft bracket dowel (30 em) 1/8" x 1/2"
 E-1763 Slug lever connecting rod screw (42 em) 1/4"-20 x 1 1/2" x 1/2"
 E-3361 Slug lever slug buffer pin (30 em) 3/32" x 5/8"
 E-4307 Slug lever stop, auxiliary (30 em)
 F- 64 Slug lever operating arm shaft bracket screw (42 em) 1/4"-24 x 23/32"
 F- 229 Slug lever slug buffer pin (42 em) 3/32" x 9/16"
 F-7847 Slug lever operating cam screw lock washer
 G- 33 Slug lever operating arm retaining washer
 G- 119 Slug lever slug buffer spring screw 6-48 x 1/4"
 G- 246 Slug lever operating cam dowel 3/16" x 15/32"
 G- 397 Slug lever operating arm stop pin 1/8" x 11/32"
 G- 397 Slug lever operating arm sliding piece dowel 1/8" x 11/32"
 G- 739 Slug lever operating link arm set screw 8-32 x 3/16"
 G-1213 Slug lever stop bracket screw 8-32 x 11/16"
 G-1248 Slug lever stop, auxiliary, screw (30 em)
 G-2891 Slug lever operating arm, l.h., torsion spring adjusting collar locating pin 1/8" x 7/8"
 H-1765 Slug lever stop fulcrum screw
 H-2290 Slug lever operating cam screw 1/4"-24 x 5/8"
 H-2290 Slug lever operating arm shaft bracket screw (30 em) 1/4"-24 x 5/8"
 J- 463 Slug lever adjusting screw nut (30 em) 1/4"-24 x 3/8"

Parts Not Illustrated

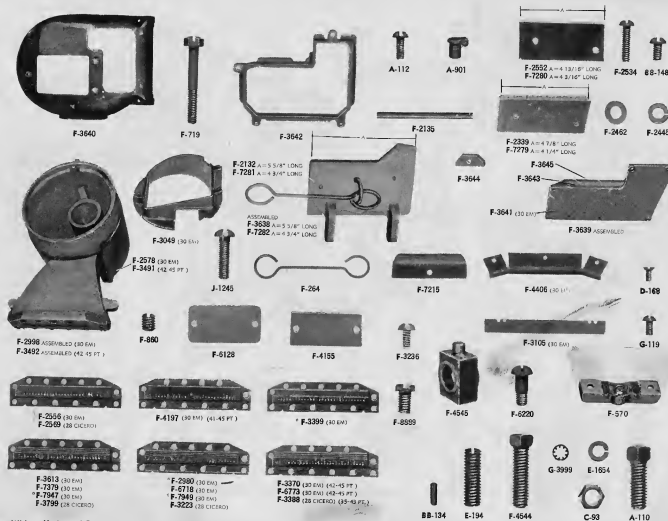
- B- 860 Slug lever operating lever, assembled (30 em)
 B- 861 Slug lever stop bracket, assembled (30 em)

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



Check Parts by Referring to Text Pages.



Without Horizontal Grooves on Face.

Note: When Ordering Pot Crucible, Assembled, Specify Mouthpiece Desired.

- A- 110 Pot leg set screw 3/8"-16 x 1"
 A- 112 Pot, electric, jacket cover asbestos holding guard screw 3-32 x 3/8"
 A- 901 Pot, electric, jacket oil hole cover
 BB-134 Pot, electric, mouthpiece pin 1/8" x 3/8"
 BB-148 Pot, electric, jacket cover terminal lid fastening screw 8-32 x 5/16"
 C- 93 Pot leg set screw nut 3/8"-16 x 1/2"
 C- 93 Pot leg cap adjusting screw nut 3/8"-16 x 1/2"
 C- 93 Pot leg adjusting screw nut 3/8"-16 x 1/2"
 D- 168 Pot, electric, jacket cover guard screw 4-48 x 1/4"
 E- 194 Pot leg cap adjusting screw 3/8"-16 x 1 1/16"
 E-1654 Pot leg screw lock washer
 F- 264 Pot lid handle
 F- 570 Pot, electric, leg cap
 F- 719 Pot, electric, jacket cover screw
 F- 860 Pot, electric, adjusting screw 1/4"-24 x 5/16"
 F-2132 Pot, micro-therm, jacket cover lid
 F-2135 Pot, electric, jacket cover lid pin
 F-2339 Pot, micro-therm, jacket cover lid lining
 F-2445 Pot, electric, jacket cover lid lining screw lock washer
 F-2445 Pot, electric, jacket cover terminal lid lining screw lock washer
 F-2462 Pot, electric, jacket cover lid lining screw washer
 F-2462 Pot, electric, jacket cover terminal lid lining screw washer
 F-2534 Pot, electric, jacket cover terminal lid lining screw 10-24 x 3/4"
 F-2534 Pot, electric, jacket cover lid lining screw 10-24 x 3/4"
 F-2552 Pot, micro-therm, jacket cover lid plate
 F-2556 Pot crucible mouthpiece, single row of holes (30 em)
 F-2569 Pot crucible mouthpiece, didot (28 cicero) single row of holes
 F-2578 Pot, electric, crucible (30 em)
 F-2980 Pot crucible mouthpiece, head-letter (30 em) for 14 rib molds
 F-2998 Pot, electric, crucible and mouthpiece, assembled (30 em)
 specify mouthpiece
 F-3049 Pot, electric, splash guard (30 em)
 F-3105 Pot, electric, crucible drip guard (30 em)
 F-3223 Pot crucible mouthpiece, head-letter, didot (28 cicero)
 for 14 rib molds
 F-3236 Pot, electric, jacket plate screw 1/4"-20 x 1/2"
 F-3370 Pot crucible mouthpiece, head-letter, 42-45 point (30 em)
 for 14 rib molds
 F-3388 Pot crucible mouthpiece, head-letter, didot (28 cicero) 35-43 point,
 for 14 rib molds
 F-3399 Pot crucible mouthpiece (30 em) single row of holes, narrow face
 F-3491 Pot, electric, crucible, 42-45 point (30 em)
 F-3492 Pot, electric, crucible and mouthpiece, head-letter, 42-45 point,
 assembled (30 em)

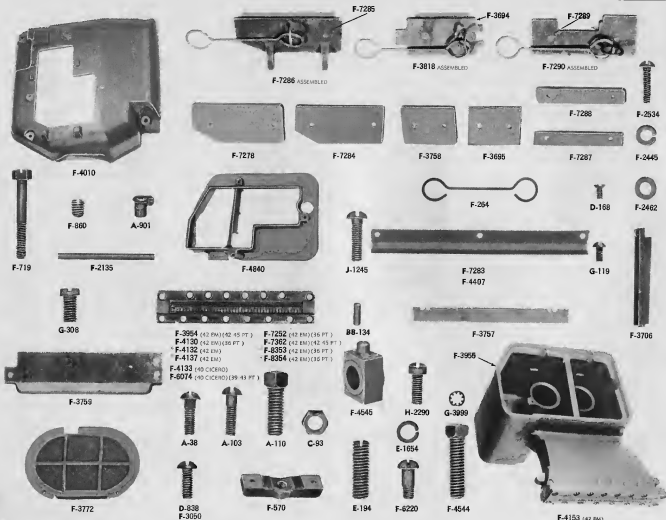
Parts are for All Models Unless Otherwise Specified

- F-3613 Pot crucible mouthpiece, head-letter (30 em) for 9 rib molds
 F-3638 Pot, micro-therm, jacket cover lid, assembled
 F-3639 Pot, electric, jacket cover terminal lid, assembled
 F-3640 Pot, micro-therm, jacket cover
 F-3641 Pot, electric, jacket cover terminal lid (30 em)
 F-3642 Pot, electric, jacket cover asbestos holding guard
 F-3643 Pot, electric, jacket cover terminal lid lining, large
 F-3644 Pot, electric, jacket cover terminal lid lining, small
 F-3645 Pot, electric, jacket cover terminal lid plate
 F-3799 Pot crucible mouthpiece, didot, head-letter (28 cicero)
 for 9 rib molds
 F-4155 Pot, electric, jacket plate
 F-4197 Pot crucible mouthpiece, head-letter, 41-45 point (30 em)
 for 9 rib molds
 F-4406 Pot, electric, jacket cover guard (30 em)
 F-4544 Pot leg adjusting screw 3/8"-16 x 1 5/16"
 F-4545 Pot leg bushing (supplied standard, undersize or oversize)
 F-6128 Pot, electric, jacket plate shim
 F-6220 Pot leg cap screw
 F-6718 Pot crucible mouthpiece, head-letter (30 em) for 15 rib molds,
 dry mat process
 F-6773 Pot crucible mouthpiece, head-letter (30 em) 42-45 point,
 for 15 rib molds, dry mat process
 F-7215 Pot, micro-therm, jacket cover guard
 F-7279 Pot, micro-therm, jacket cover lid lining
 F-7280 Pot, micro-therm, jacket cover lid plate
 F-7281 Pot, micro-therm, jacket cover lid
 F-7282 Pot, micro-therm, jacket cover lid, assembled (30 em)
 F-7379 Pot crucible mouthpiece (combination mouthpiece for 9 rib
 display, 14 rib recess and 15 rib display molds)
 F-7947 Pot crucible mouthpiece, head-letter (for 9 rib molds)
 (without grooves)
 F-7949 Pot crucible mouthpiece, head-letter (for 15 rib molds)
 (without grooves)
 F-8889 Pot mouthpiece screw 1/4"-24 x 3/8"
 G- 119 Pot, electric, crucible drip guard screw 6-48 x 1/4"
 G-3999 Pot leg adjusting screw lock washer
 J-1245 Pot, electric, splash guard screw 14-24 x 7/8"

Parts Not Illustrated

- F-4558 Pot, electric, jacket
 F-7322 Pot, micro-therm, assembled, Models 5, 29, 30, 31, 32
 (specify electrical characteristics)
 F-7844 Pot, micro-therm, assembled, Models 33, 34, 35, 36
 (specify electrical characteristics)

Please Give Model and Serial Number When Ordering



- A- 38 Pot, electric, jacket extension screw, short 14-24 x 3/4"
 A- 103 Pot, electric, jacket extension screw, long 14-24 x 1"
 A- 110 Pot leg set screw 3/8"-16 x 1"
 A- 901 Pot, electric, jacket oil hole cover
 B8-134 Pot, electric, mouthpiece pin 1/8" x 3/8"
 C- 93 Pot leg set screw nut 3/8"-16 x 1/2"
 C- 93 Pot leg cap adjusting screw nut 3/8"-16 x 1/2"
 C- 93 Pot leg adjusting screw nut 3/8"-16 x 1/2"
 D- 168 Pot, electric, jacket cover guard screw 4-48 x 1/4"
 D- 838 Pot, electric, throat terminal cover screw 10-32 x 9/16"
 E- 194 Pot leg adjusting screw 3/8"-16 x 1 3/16"
 E- 194 Pot leg screw 3/8"-18 x 1 3/16"
 E-1654 Pot leg cap screw lock washer
 F- 264 Pot lid handle
 F- 264 Pot lid handle, auxiliary
 F- 570 Pot leg cap
 F- 719 Pot, electric, jacket cover screw
 F- 860 Pot, electric, adjusting screw 1/4"-24 x 5/16"
 F-2135 Pot, electric, jacket cover lid pin
 F-2445 Pot, electric, jacket cover lid, auxiliary, lining screw lock washer
 F-2445 Pot, electric, jacket cover lid lining screw lock washer
 F-2462 Pot, electric, jacket cover, auxiliary, screw washer
 F-2462 Pot, electric, jacket cover lid lining screw washer
 F-2534 Pot, electric, jacket cover lid lining screw 10-24 x 3/4"
 F-2534 Pot, electric, jacket cover terminal lid lining screw 10-24 x 3/4"
 F-3050 Pot, electric, throat terminal cover screw 1/4"-20 x 5/8"
 F-3694 Pot, electric, jacket cover lid, auxiliary
 F-3695 Pot, electric, jacket cover lid plate, auxiliary
 F-3706 Pot, electric, crucible brace
 F-3757 Pot, electric, crucible drip guard
 F-3758 Pot, electric, jacket cover lid, lining, auxiliary
 F-3759 Pot, electric, jacket extension
 F-3772 Pot, electric, throat terminal cover
 F-3818 Pot, electric, jacket cover lid, auxiliary, assembled

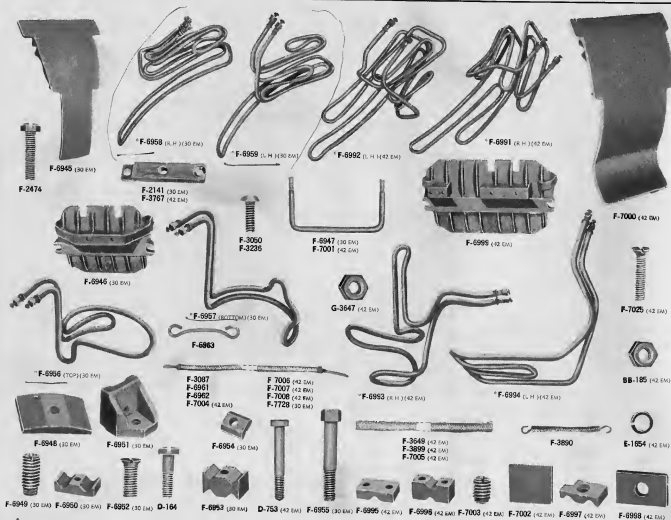
Parts are for All Models Unless Otherwise Specified

- F-3954 Pot crucible mouthpiece, head-letter, 46 point (42 em)
 (for 12 rib molds)
 F-3955 Pot, electric, crucible
 F-4010 Pot, Micro-therm, jacket cover
 F-4130 Pot crucible mouthpiece, head-letter (42 em) (for 12 rib molds)
 F-4132 Pot crucible mouthpiece (42 em) single row of holes, wide face
 F-4133 Pot crucible mouthpiece, didot, head-letter (40 cicero)
 F-4137 Pot crucible mouthpiece (42 em) single row of holes, narrow face
 F-4153 Pot, assembled
 F-4407 Pot, electric, jacket cover guard (8 3/4" long)
 F-4544 Pot, leg adjusting screw 3/8"-16 x 1 5/16"
 F-4545 Pot, leg bushing (supplied standard, undersize or oversize)
 F-4840 Pot, electric, splash guard
 F-6074 Pot crucible mouthpiece, head-letter, didot (40 cicero) 39-43 point
 F-6220 Pot, leg cap screw
 F-7252 Pot crucible mouthpiece, head-letter (42 em) (for 21 rib molds)
 F-7278 Pot, micro-therm, jacket cover lid lining
 F-7283 Pot, micro-therm, jacket cover guard (8 5/8" long)
 F-7284 Pot, micro-therm, jacket cover lid plate
 F-7285 Pot, micro-therm, jacket cover lid
 F-7286 Pot, micro-therm, jacket cover lid, assembled
 F-7287 Pot, electric, jacket cover lid, auxiliary, l.h., plate
 F-7288 Pot, electric, jacket cover lid, lining, auxiliary, l.h.
 F-7289 Pot, micro-therm, jacket cover lid, auxiliary, l.h.
 F-7290 Pot, micro-therm, jacket cover lid, auxiliary, l.h., assembled
 F-7362 Pot crucible mouthpiece, 48 point (42 em) (for 21 rib molds)
 F-8353 Pot crucible mouthpiece, head-letter (42 em) (for 12 rib molds)
 F-8354 Pot crucible mouthpiece, head-letter (42 em) (for 21 rib molds)
 G- 119 Pot, electric, crucible drip guard screw 6-48 x 1/4"
 G- 308 Pot mouthpiece screw 1/4"-24 x 7/16"
 G-3999 Pot leg adjusting screw lock washer
 H-2290 Pot crucible brace screw 1/4"-24 x 5/8"
 J-1245 Pot, electric, splash guard screw 14-24 x 7/8"

Parts Not Illustrated

- F-4551 Pot, electric, jacket

Please Give Model and Serial Number When Ordering



*SPECIFY VOLTAGE AND CYCLES

- 88-185 Pot, electric, crucible heater, l.h., clamp screw nut (42 em) 1/4"-20 x 7/16"
- D- 164 Pot, electric, throat and mouth heater end clamp screw 1/4"-24 x 15/16"
- D- 753 Pot, electric, crucible heater, r.h., clamp screw (42 em)
- E-1654 Pot, electric, crucible heater, l.h., clamp screw lock washer (42 em) 1/4" x 1/16" x 3/64"
- F-2141 Pot, electric, throat heater clamp screw bar
- F-2474 Pot, electric, throat heater clamp screw 3/8"-16 x 1 3/4"
- F-3050 Pot, electric, throat heater clamp screw bar screw, long 1/4"-20 x 13/18"
- F-3087 Pot, electric, crucible heater connecting wire, 7 1/2" long
- F-3236 Pot, electric, throat heater clamp screw bar screw, short 1/4"-20 x 11/16"
- F-3649 Pot, electric, throat and mouth heater, l.h., connecting wire tubing, 7" long (42 em)
- F-3767 Pot, electric, throat heater clamp screw bar
- F-3890 Pot, electric, throat and mouth heater connecting wire, 4 1/2" long
- F-3899 Pot, electric, throat and mouth heater, l.h., connecting wire tubing, 5 1/4" long (42 em)
- F-6945 Pot, electric, throat heater clamp (30 em)
- F-6946 Pot, electric, mouth heater clamp (30 em)
- F-6947 Pot, electric, throat heater clamp bolt
- F-6948 Pot, electric, mouth heater side clamp (30 em)
- F-6949 Pot, electric, mouth heater side clamp set screw (30 em)
- F-6950 Pot, electric, throat and mouth heater end clamp (30 em)
- F-6951 Pot, electric, crucible heater clamp bracket (30 em)
- F-6952 Pot, electric, crucible heater clamp bracket screw 1/4"-24 x 5/8" (30 em)
- F-6953 Pot, electric, crucible heater end clamp (30 em)
- F-6954 Pot, electric, crucible heater end clamp cap (30 em)
- F-6955 Pot, electric, crucible heater end clamp screw 5/16"-24 x 1 3/4" (30 em)
- F-6956 Pot, electric, crucible heater, top (specify voltage) (30 em)
- F-6957 Pot, electric, crucible heater, bottom (specify voltage) (30 em)
- F-6958 Pot, electric, throat and mouth heater, r.h. (specify voltage) (30 em)

- F-6959 Pot, electric, throat and mouth heater, l.h. (specify voltage) (30 em)
- F-6961 Pot, electric, throat and mouth heater, r.h., connecting wire, 13 1/2" long
- F-6962 Pot, electric, throat and mouth heater, l.h., connecting wire, 12 1/2" long
- F-6963 Pot, electric, crucible heater connecting wire, 2 3/4" long (30 em)
- F-6963 Pot, electric, throat and mouth heater connecting wire, 2 3/4" long (42 em)
- F-6991 Pot, electric, throat and mouth heater, r.h. (42 em) (specify voltage)
- F-6992 Pot, electric, throat and mouth heater, l.h. (42 em) (specify voltage)
- F-6993 Pot, electric, side crucible heater, r.h. (42 em) (specify voltage)
- F-6994 Pot, electric, crucible heater, l.h. (42 em) (specify voltage)
- F-6995 Pot, electric, crucible heater, r.h., clamp, top (42 em)
- F-6996 Pot, electric, crucible heater, r.h., clamp, intermediate (42 em)
- F-6997 Pot, electric, crucible heater, l.h., clamp (42 em)
- F-6998 Pot, electric, crucible heater, l.h., clamp plate (42 em)
- F-6999 Pot, electric, mouth heater clamp (42 em)
- F-7000 Pot, electric, throat heater clamp (42 em)
- F-7001 Pot, electric, throat heater clamp bolt (42 em)
- F-7002 Pot, electric, mouth heater side clamp (42 em)
- F-7003 Pot, electric, mouth heater side clamp screw (42 em)
- F-7004 Pot, electric, throat and mouth heater, r.h., connecting wire, 17" long (42 em)
- F-7005 Pot, electric, throat and mouth heater, r.h., connecting wire tubing, 12 1/2" long (42 em)
- F-7006 Pot, electric, crucible heater connecting wire, 4 3/4" long (42 em)
- F-7007 Pot, electric, crucible heater, l.h., connecting wire, 6 3/4" long (42 em)
- F-7008 Pot, electric, crucible heater, r.h., connecting wire, 10 3/4" long (42 em)
- F-7025 Pot, electric, crucible heater, l.h., clamp screw (42 em) 1/4"-20 x 1 1/4"
- F-7728 Pot, electric, throat and mouth heater, l.h., connecting wire, 10 1/2" long (30 em)
- G-3647 Pot, electric, throat heater clamp bolt nut 5/16"-16 x 1 1/2" (42 em)

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering

Please Specify Exact Voltage of Power Supply When Ordering Heaters



- D-1412 Pot, electric, crucible side heater clamp, front screw (42 em) 1/4"-20 x 3/8"
- E-165 Pot, electric, throat heater clamp bolt 3/8"-16 x 5/8"
- F-2138 Pot, electric, throat heater clamp (30 em)
- F-2139 Pot, electric, mouth heater clamp (30 em)
- F-2140 Pot, electric, throat heater clamp bolt (30 em)
- F-2141 Pot, electric, throat heater clamp screw bar (30 em)
- F-2467 Pot, electric, crucible heater clamp screw 10-24 x 1/2"
- F-2474 Pot, electric, throat heater clamp screw 8/8"-16 x 1 1/2"
- F-3050 Pot, electric, throat heater clamp screw bar screw, long (30 em) 1/4"-20 x 5/8"
- F-3050 Pot, electric, throat heater clamp screw bar screw (42 em) 1/4"-20 x 5/8"
- F-3071 Pot, electric, crucible heater No. 1 (30 em) (specify voltage)
- F-3072 Pot, electric, crucible heater No. 2 (30 em) (specify voltage)
- F-3236 Pot, electric, throat heater clamp screw bar screw, short (30 em) 1/4"-20 x 1/2"
- F-3646 Pot, electric, crucible throat heater (30 em) (specify voltage)
- F-3647 Pot, electric, mouth heater (30 em) (specify voltage)
- F-3648 Pot, electric, mouth heater wire, 10" long (30 em)
- F-3649 Pot, electric, mouth heater wire, tubing, 7" long (30 em)
- F-3650 Pot, electric, throat heater wire, 12 3/4" long (30 em)
- F-3651 Pot, electric, throat heater wire, tubing, 8 1/2" long
- F-3652 Pot, electric, crucible heater connecting wire, 5" long (30 em)
- F-3653 Pot, electric, crucible heater No. 1, wire, 6 1/4" long (30 em)

Pots are for All Models Unless Otherwise Specified

- F-3654 Pot, electric, crucible heater No. 1, wire, 7" long (30 em)
- F-3655 Pot, electric, crucible heater No. 2, wire, 8" long (220 volts) (30 em)
- F-3656 Pot, electric, mouth and throat heater connecting wire, 4" long (30 em)
- F-3760 Pot, electric, crucible heater No. 1 (42 em) (specify voltage)
- F-3761 Pot, electric, crucible heater No. 2 (42 em) (specify voltage)
- F-3762 Pot, electric, crucible heater No. 3 (42 em) (specify voltage)
- F-3765 Pot, electric, crucible throat heater (42 em) (specify voltage)
- F-3766 Pot, electric, throat heater clamp (42 em)
- F-3767 Pot, electric, throat heater clamp screw bar (42 em)
- F-3768 Pot, electric, throat heater clamp bolt (42 em)
- F-3769 Pot, electric, mouth heater (42 em) (specify voltage)
- F-3770 Pot, electric, mouth heater clamp (42 em)
- F-3888 Pot, electric, crucible side heater (42 em) (specify voltage)
- F-3909 Pot, electric, crucible side heater clamp, front (42 em)
- F-4015 Pot, electric, crucible heater clamp, short (42 em)
- F-4016 Pot, electric, crucible heater clamp, short, washer (42 em)
- F-4188 Pot, electric, crucible heater clamp strap
- F-4189 Pot, electric, crucible heater clamp
- F-4518 Pot, electric, crucible heater asbestos guard, assembled (30 em)
- F-4530 Pot, electric, crucible heater asbestos guard, large, assembled (42 em)
- F-4533 Pot, electric, crucible heater asbestos guard, small, assembled (42 em)

Please Give Model and Serial Number When Ordering

Instructions for Ordering Electric Heaters of the Envelope Type

Heaters F-3071, F-3072 were used on 30-em Mergenthaler Electric Pots with Serial No. 6001 to 30000. Heaters F-3646, F-3647 were used on 30-em Mergenthaler Electric Pots with Serial No. 16001 to 30000. On Mergenthaler Electric Pots with Serial No. 30001 and above the tubular type Lino-Therm heaters are used and these are shown on another page of this catalog.

Heaters F-3071 and F-3072 are always marked 110 volts, but are connected in parallel for 110 volts and in series for 220 volts. Heaters F-3646 and F-3647 are connected in series for either 110 or 220 volts, the characteristics of the heaters changing with the voltage.

For the 42-em electric pot, using the envelope type heaters, the F-3760 and F-3761 crucible heaters are the same for 110 or 220 volts, being connected in parallel for 110 volts and in series for 220 volts. The F-3762 crucible heater is connected in parallel for either 110 or 220 volts and this heater must have characteristics to conform with the voltage. The F-3765 and F-3769 42-em mouth and throat heaters are connected in series for either 110 or 220 volts and these heater characteristics must conform with the voltage. The F-3888 heater is connected in parallel in the mouth and throat heater circuit, and must have characteristics to conform with the voltage.

Give Serial Number and Voltage of Pot When Ordering Heaters



ASSEMBLED
F-7253 A.C.
F-7278 D.C.



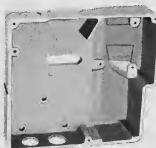
F-7198



F-7199



F-7172



F-7194



G-932



F-7856



G-159



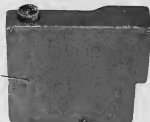
D-1752



F-7195



F-7855



F-8172 ASSEMBLED



F-7520



F-7205



F-7204



F-7188



F-7196



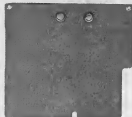
F-7197



F-7856



F-7950



F-7848



F-7206



F-7214



F-7263 (1/2 MFD.)
F-7264 (3 MFD.)
F-7265 (2 MFD.)
F-7266 (3 MFD. (42 EM))



H-7999 ASSEMBLED (D.C.)



H-207



F-7917



F-7741



G-1398



F-7192 (D.C.)



F-7182 H-132 (42 EM)



F-7957 (A.C.)



F-7187



F-7203 ASSEMBLED



F-7216



D-713



F-7270 ASSEMBLED (D.C.)
F-7271 ASSEMBLED (D.C.) (30 EM)
F-7272 ASSEMBLED (D.C.) (42 EM)



F-7737



F-7739 F-7740



F-8111 ASSEMBLED



F-7738



F-7743



G-1053



G-2802



F-7188 F-7193 (42 EM)



G-938

- D- 713 Pot, micro-therm, condenser screw (D.C.) 4-48 x 5/32"
 D-1752 Pot, micro-therm, crucible temperature control adjusting screw stop screw 4-48 x 2"
 E-1589 Pot, micro-therm, condenser base plate screw (D.C.) 8-32 x 11/32"
 E-1589 Pot, micro-therm, temperature control indicating lamp resistor bracket screw, 8-32 x 11/32"
 E-3967 Pot, micro-therm, crucible temperature control box cover screw 8-32 x 11/32"
 F-7172 Pot, micro-therm, crucible temperature control box jewel
 F-7182 Pot, micro-therm, crucible Mu switch screw (A.C.) 8-32 x 7/8"
 F-7187 Pot, micro-therm, crucible Mu switch bracket stud
 F-7188 Pot, micro-therm, crucible Mu switch bracket spring, dia. of wire .038"
 F-7192 Pot, micro-therm, crucible Mu switch (D.C.) (A.C.) (42 em)
 F-7193 Pot, micro-therm, crucible Mu switch bracket spring (D.C.) (A.C.) (42 em) dia. of wire .040"
 F-7194 Pot, micro-therm, crucible temperature control box
 F-7195 Pot, micro-therm, crucible temperature control box cover
 F-7196 Pot, micro-therm, crucible temperature control adjusting screw bushing
 F-7197 Pot, micro-therm, crucible temperature control adjusting screw bushing nut 1/2"-24 x 1/8"
 F-7198 Pot, micro-therm, crucible temperature control adjusting screw dial
 F-7199 Pot, micro-therm, crucible temperature control adjusting screw dial drive screw
 F-7203 Pot, micro-therm, crucible Mu switch bracket, assembled
 F-7204 Pot, micro-therm, temperature control toggle switch
 F-7205 Pot, micro-therm, temperature control toggle switch insulator
 F-7206 Pot, micro-therm, temperature control adjusting screw
 F-7214 Pot, micro-therm, temperature control box screw
 F-7216 Pot, micro-therm, condenser baseplate
 F-7253 Pot, micro-therm, crucible temperature control box, assembled (A.C.) (specify voltage)
 F-7263 Pot, micro-therm, mouthpiece condenser (D.C.) (110-230 volts) (1/2 mfd)
 F-7264 Pot, micro-therm, crucible condenser (D.C.) (220 volts) (1 mfd)
 F-7265 Pot, micro-therm, crucible condenser (D.C.) (110 volts) (2 mfd)
 F-7266 Pot, micro-therm, crucible condenser (D.C.) (110 volts) (3 mfd) (42 em)
 F-7270 Pot, micro-therm, crucible and mouthpiece condensers, assembled (D.C.) (110 volts, 30 em) (220 volts, 42 em)
 F-7271 Pot, micro-therm, crucible and mouthpiece condensers, assembled (D.C.) (220 volts, 30 em)
 F-7272 Pot, micro-therm, crucible and mouthpiece condensers, assembled (D.C.) (110 volts, 42 em)
 F-7273 Pot, micro-therm, crucible temperature control box, assembled (D.C.) (specify voltage)
 F-7520 Pot, micro-therm, temperature control adjusting screw wrench
 F-7737 Pot, micro-therm, temperature control indicating lamp resistor (220 volts) (bottom, center, top)

- F-7738 Pot, micro-therm, temperature control indicating lamp resistor insulating washer, small (220 volts, A.C.)
 F-7739 Pot, micro-therm, temperature control indicating lamp resistor insulating washer, large
 F-7740 Pot, micro-therm, temperature control indicating lamp resistor insulating washer, large (220 volts, D.C.)
 F-7741 Pot, micro-therm, crucible temperature control indicating lamp resistor bracket (220 volts, A.C.)
 F-7743 Pot, micro-therm, temperature control indicating lamp resistor screw 10-32 x 1 1/2"
 F-7788 Pot, micro-therm, crucible temperature control box cover lining
 F-7848 Pot, micro-therm, crucible temperature control box cover, assembled
 F-7855 Pot, micro-therm, crucible temperature control adjusting screw
 F-7856 Pot, micro-therm, crucible temperature control adjusting screw dial
 F-7917 Pot, micro-therm, crucible temperature control box toggle switch terminal, lug lock washer
 F-7950 Pot, micro-therm, crucible temperature control box cover, bottom screw
 F-7956 Pot, micro-therm, crucible temperature control box cover, bottom screw
 F-7957 Pot, micro-therm, crucible micro-switch (A.C.)
 F-7999 Pot, micro-therm, mouthpiece condenser, assembled (110-220 volts, D.C.)
 F-8111 Pot, micro-therm, temperature control indicating lamp resistor, assembled (220 volts)
 F-8172 Pot, micro-therm, crucible temperature control box, assembled
 G- 159 Pot, micro-therm, crucible temperature control adjusting screw dial holder pin
 G- 932 Pot, micro-therm, crucible temperature control adjusting screw dial screw 8-32 x 1/8"
 G- 938 Pot, micro-therm, crucible Mu switch bracket spring stud
 G-1053 Pot, micro-therm, crucible Mu switch bracket spring stud nut 4-48 x 3/16"
 G-1398 Pot, micro-therm, crucible Mu switch spring washer
 G-2802 Pot, micro-therm, crucible Mu switch spring eye
 H- 132 Pot, micro-therm, crucible Mu switch screw (D.C.) (A.C.) (42 em) 8-32 x 1"
 H- 207 Pot, micro-therm, crucible temperature control, toggle switch screw 8-32 x 1/4"

Parts Not Illustrated

- F-7525 Pot, micro-therm, crucible temperature control box and bellows (A.C.) assembled (specify voltage)
 F-7530 Pot, micro-therm, crucible temperature control box and bellows (D.C.) assembled (specify voltage)
 F-7531 Pot, micro-therm, crucible temperature control box and bellows (A.C.) assembled (42 em) (specify voltage)
 F-7532 Pot, micro-therm, crucible temperature control box and bellows (D.C.) assembled (42 em) (specify voltage)

Ports are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



F-7234

ASSEMBLED
F-7240 (100-125 VOLTS)
F-7987 (100-125 VOLTS)
F-8079 (100-125 VOLTS)
F-7786 (200-250 VOLTS)
F-7988 (200-250 VOLTS)
F-8080 (200-250 VOLTS)
 SPECIFY A.C. OR D.C.
 AND POT. SERIAL NUMBER

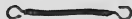


F-7241

F-7233
ASSEMBLEDF-7173
(SPECIFY VOLTAGE)F-3301
F-7791
F-8112

F-8061

F-4828 (10-32 X 3/8")
F-7237 (10-32 X 3/8" PLATED)
F-7239 (10-32 X 5/16" PLATED)
J-1228 (10-32 X 5/16")



#12 - INSULATED WIRE
 4" - **F-7250**
 4 3/8" - **F-7245**
 4 1/2" - **F-7246**
 4 3/4" - **F-7784**
 5 3/4" - **F-7785**
 3" - **F-7249**
 7 1/2" - **F-7247**
 9" - **F-7248**
 10" - **F-8072**
 12" - **F-8071**
 #14 - INSULATED WIRE
 3 3/8" - **F-7269**
 4" - **F-7243**
 5 1/2" - **F-7244**
 8" - **F-7242**

#18 - INSULATED WIRE
 3 1/8" - **F-7798**
 3 1/4" - **F-7783**
 3 1/2" - **F-8078**
 3 5/8" - **F-7268**
 4" - **F-7802**
 4 3/8" - **F-7801**
 4 1/2" - **F-7797**
 4 7/8" - **F-7799**
 5 1/8" - **F-8077**
 5 1/4" - **F-7800**
 5 3/4" - **F-8075**
 6" - **F-7744**



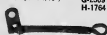
F-7742



F-7967 (110 VOLT)
F-7968 (220 VOLT)
F-8076 (A=1 1/16")



F-4826 (301" X 7/16" X 1/32")
F-7235 (201" X 7/16" X 1/32" BRASS)
G-2309 (185" X 3/8" X 1/16")
H-1764 (252" X 1/2" X 1/32")



ASSEMBLED
 3 1/4" - **F-7921** 8 1/4" - **F-7920**
 5 3/4" - **F-7918** 21 3/4" - **F-7976**
 6 3/4" - **F-7919** 23" - **F-7974**



ASSEMBLED NO. 12 INSULATED WIRE
 8 1/2" - **F-8199**
 10 1/2" - **F-8197**
 18" - **F-8190**
 21" - **F-8188**



ASSEMBLED NO. 16 - INSULATED WIRE
 5 1/4" - **F-8166**
 19" - **F-8185**

ASSEMBLED NO. 18 - INSULATED WIRE
 7 1/2" - **F-8207**
 27" - **F-8194**

ASSEMBLED NO. 14 - INSULATED WIRE
 20" - **F-8183**

D-34 - #8 32 X 1/2"
 D-5588 (30 EM) 4-46 X 3/16"
F-8112 - #10 32 X 1/8"
G-119 - #6 46 X 1/4"

F-7786
F-7787 (PLATED)

F-7449



#14 INSULATED ASSEMBLED
 10 3/4" - **F-7585**
 12 3/8" - **F-7578**



F-7917



F-7179 (125" I.D.)
F-8168 (145" I.D. "C")
F-8162 (145" I.D. "D")
F-8166 (197" I.D. "B")

F-7251
F-7971 (220 VOLT)

F-8976



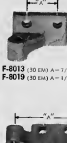
F-7210



ASSEMBLED
F-8014 (30 EM)
F-8020 (30 EM)



F-8012 (30 EM) A=7/8"
F-8018 (30 EM) A=1/2"



F-8013 (30 EM) A=7/8"
F-8019 (30 EM) A=1/2"



ASSEMBLED
F-8017 (42 EM)
F-8023 (42 EM)

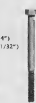


F-8015 (42 EM) A=6 11/16"
F-8021 (42 EM) A=6 3/4"

D-971 (30 EM) (8 32 X 1/4")
 E-1589 (42 EM) (8 32 X 11/32")
F-7515 (10 32 X 3/8")
G-274 (8 32 X 1/2")



F-7218



F-7213 (1/4" 24 X 3 3/16")
F-7318 (1/4" 24 X 1 1/16")



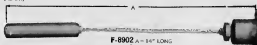
F-7212



F-3105



F-8325



F-8902 A=8 1/4" LONG
F-8903 A=17" LONG



F-7219



F-8906

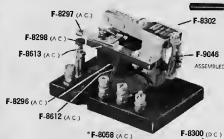
- D- 34 Pot, micro-therm, crucible temperature control box terminal block screw 8-32 x 1/2"
- D- 971 Pot, micro-therm, crucible bulb guard screw (30 em) 8-32 x 3/8"
- D-5588 Pot, micro-therm, crucible drip guard screw (30 em) 4-48 x 5/16"
- E-1589 Pot, micro-therm, crucible bulb guard screw (42 em) 8-32 x 7/16"
- F-3105 Pot, micro-therm, crucible drip guard
- F-3301 Pot, micro-therm, crucible temperature control box terminal screw 10-32 x 1"
- F-4826 Pot, micro-therm, crucible temperature control box terminal screw washer
- F-4828 Pot, micro-therm, crucible temperature control box terminal screw nut 10-32 x 3/8"
- F-7173 Pot, micro-therm, crucible temperature control indicating bulb, specify voltage
- F-7179 Pot, micro-therm, crucible temperature control box wire Mu switch lug
- F-7210 Pot, micro-therm, crucible bellows adjusting screw
- F-7212 Pot, micro-therm, crucible bellows guard
- F-7213 Pot, micro-therm, crucible bellows guard and jacket cover screw
- F-7218 Pot, micro-therm, crucible bellows plunger spring
- F-7219 Pot, micro-therm, crucible bellows plunger
- F-7233 Pot, micro-therm, crucible temperature control indicating bulb socket, assembled
- F-7234 Pot, micro-therm, crucible temperature control box terminal block
- F-7235 Pot, micro-therm, crucible temperature control box terminal screw washer (G)(brass)
- F-7237 Pot, micro-therm, crucible temperature control box terminal screw nut 10-32 x 3/8"
- F-7239 Pot, micro-therm, temperature control indicating bulb socket nut 10-32 x 5/16"
- F-7240 Pot, micro-therm, crucible temperature control box terminal block, assembled (for pots without crucible relay)
- F-7241 Pot, micro-therm, crucible temperature control box terminal block insulator
- F-7318 Pot, micro-therm, crucible bulb guard and splash guard
- F-7449 Pot, micro-therm, temperature control indicating lamp socket lock washer
- F-7515 Pot, micro-therm, crucible bellows guard screw 10-32 x .325"
- F-7742 Pot, micro-therm, crucible temperature control indicating lamp socket connector
- F-7786 Pot, micro-therm, crucible temperature control box terminal screw, cupped, washer
- F-7787 Pot, micro-therm, crucible temperature control box terminal screw, cupped, washer, plated
- F-7791 Pot, micro-therm, crucible temperature control box terminal screw, long 10-32 x 1 3/16"
- F-7796 Pot, micro-therm, crucible temperature control box terminal block, assembled (200-250 volts)(for pots without crucible relay)
- F-7820 Pot, micro-therm, crucible temperature control indicating lamp socket nut
- F-7917 Pot, micro-therm, crucible temperature control box toggle switch terminal lug lock washer
- F-7967 Pot, micro-therm, crucible temperature control box terminal connecting strip 1 5/16" long (110 volts)
- F-7968 Pot, micro-therm, crucible temperature control box terminal connecting strip 1 45/64" long (220 volts)
- F-7997 Pot, micro-therm, crucible temperature control box terminal block, assembled (110-125 volts)(for pots with crucible relay underneath pot)
- F-7998 Pot, micro-therm, crucible temperature control box terminal block, assembled (220-250 volts)(for pots with crucible relay underneath pot)
- F-8012 Pot, micro-therm, crucible bulb guard (30 em) (A=7/8")
- F-8013 Pot, micro-therm, crucible bulb guard bracket (30 em) (A=7/8")
- F-8014 Pot, micro-therm, crucible bulb guard, assembled (30 em)
- F-8015 Pot, micro-therm, crucible bulb guard (42 em) (A=6 13/16")
- F-8016 Pot, micro-therm, crucible bulb guard bracket (42 em) (A=2 47/64")
- F-8017 Pot, micro-therm, crucible bulb guard, assembled (42 em)
- F-8018 Pot, micro-therm, crucible bulb guard (30 em) (A=1/2")
- F-8019 Pot, micro-therm, crucible bulb guard bracket (30 em) (A=1/2")
- F-8020 Pot, micro-therm, crucible bulb guard, assembled (30 em)
- F-8021 Pot, micro-therm, crucible bulb guard (42 em) (A=6 3/4")
- F-8022 Pot, micro-therm, crucible bulb guard bracket (42 em)
- F-8023 Pot, micro-therm, crucible bulb guard, assembled (42 em)
- F-8061 Pot, micro-therm, crucible temperature control relay stud bushing
- F-8076 Pot, micro-therm, crucible temperature control, indicating, lamp socket connector
- F-8079 Pot, micro-therm, crucible temperature control box terminal block, assembled (110-125 volts)(for pots with relay on side of mold gear arm)
- F-8080 Pot, micro-therm, crucible temperature control terminal block, assembled (200-220 volts)(for pots with relay on side of mold gear arm)
- F-8112 Pot, micro-therm, crucible temperature control box terminal screw 10-32 x 7/8"
- F-8165 Pot, micro-therm, crucible temperature control box terminal block, insulator
- F-8171 Pot, micro-therm, crucible temperature control box terminal block, assembled
- F-8325 Pot, crucible guard
- F-8902 Pot, micro-therm, crucible bellows and bulb 14" long
- F-8903 Pot, micro-therm, crucible bellows and bulb 17" long
- F-8906 Pot, micro-therm, crucible bellows plunger guide plate
- F-8976 Pot, micro-therm, crucible bellows plunger adjusting screw nut 6-48 x 7/32"
- G- 119 Pot, crucible drip guard screw 6-48 x 1/4"
- G- 119 Pot, micro-therm, crucible bellows screw 6-48 x 1/4"
- G- 274 Pot, micro-therm, crucible bulb guard screw 8-32 x 1/2"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



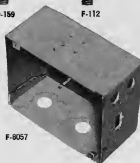
F-8070

F-9046
ASSEMBLED

D-159



F-112



F-8057

*F-8203 (A.C.) (WITH JEWELS)
*F-8204 (D.C.) (WITH JEWELS)

F-8201



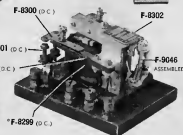
F-8060

*F-8202 (110 VOLTS)
*F-8205 (220 VOLTS)

F-8200

C
F-2445

J-1228

D-534
J-223

*F-8059 (D.C.)



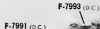
F-5847



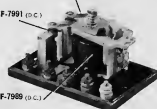
G-2309



F-8061

F-8183 (20" LONG)
F-8185 (15" LONG)
F-8188 (21" LONG)
F-8190 (18" LONG)
F-8194 (27" LONG)
F-8197 (10 1/2" LONG)
F-8199 (8 1/2" LONG)
F-8207 (1 1/2" LONG)F-525
H-1764

F-7993 (D.C.)



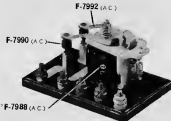
*F-7989 (D.C.)



F-7935



F-7934



*F-7988 (A.C.)

*F-7933 (A.C.)

*SPECIFY VOLTAGE AND CYCLES

*F-7939 (D.C.)

- D- 159 Pot, micro-therm, crucible temperature control relay and switch box cover screw 8-32 x 19/64"
- D- 534 Pot, micro-therm, crucible temperature control switch screw 10-32 x 9/16"
- F- 112 Pot, micro-therm, crucible temperature control relay and switch box screw 14-24 x 17/32"
- F- 525 Pot, micro-therm, crucible temperature control relay box mounting screw washer, lower, 7/16" O.D.A.
- F-2445 Pot, micro-therm, crucible temperature control relay screw lock washer
- F-5847 Pot, micro-therm, crucible temperature control relay screw 10-32 x 3/4"
- F-7933 Pot, micro-therm, crucible temperature control relay (A.C.) (specify voltage)
- F-7934 Pot, micro-therm, crucible temperature control relay base insulator
- F-7935 Pot, micro-therm, crucible temperature control relay box
- F-7939 Pot, micro-therm, crucible temperature control relay (specify voltage)
- F-7980 Pot, micro-therm, crucible temperature control switch, complete
- F-7988 Pot, micro-therm, crucible temperature control relay (A.C.) magnet coil (complete) specify volts and cycles
- F-7989 Pot, micro-therm, crucible temperature control relay (D.C.) magnet coil (complete) specify volts
- F-7990 Pot, micro-therm, crucible temperature control relay (A.C.) adjustable contact point (complete)
- F-7991 Pot, micro-therm, crucible temperature control relay (D.C.) adjustable contact point (complete)
- F-7992 Pot, micro-therm, crucible temperature control relay (A.C.) contact finger (complete)
- F-7993 Pot, micro-therm, crucible temperature control relay (D.C.) contact finger (complete)
- F-8057 Pot, micro-therm, crucible temperature control relay and switch box
- F-8058 Pot, micro-therm, crucible temperature control relay (A.C.) (specify voltage and cycles)
- F-8059 Pot, micro-therm, crucible temperature control relay (D.C.) (specify voltage)
- F-8060 Pot, micro-therm, crucible temperature control switch
- F-8061 Pot, micro-therm, crucible temperature control relay stud bushing
- F-8070 Pot, micro-therm, crucible temperature control relay and switch box cover
- F-8071 Pot, micro-therm, crucible temperature control switch wire, 12" long
- F-8072 Pot, micro-therm, crucible temperature control switch wire, 10" long
- F-8183 Pot, micro-therm, crucible temperature control relay box wire No. 2, assembled, 20" long
- F-8185 Pot, micro-therm, crucible temperature control relay box wire No. 8, assembled, 19" long

- F-8188 Pot, micro-therm, crucible temperature control relay box wire No. 4, assembled, 21" long
- F-8190 Pot, micro-therm, crucible temperature control relay box wire No. 1, assembled, 18" long
- F-8194 Pot, micro-therm, crucible temperature control relay box wire No. 3, assembled, 27" long
- F-8195 Pot, micro-therm, crucible temperature control relay box cable, assembled
- F-8197 Pot, micro-therm, crucible temperature control switch wire, long, assembled, 10 1/2" long
- F-8199 Pot, micro-therm, crucible temperature control switch wire, short, assembled, 8 1/2" long
- F-8200 Pot, micro-therm, temperature control pilot light
- F-8201 Pot, micro-therm, temperature control pilot light jewel
- F-8202 Pot, micro-therm, temperature control pilot light socket (110 volts)
- F-8203 Pot, micro-therm, crucible temperature control relay and switch box, assembled (A.C.) (specify voltage and cycles)
- F-8204 Pot, micro-therm, crucible temperature control relay and switch box, assembled (D.C.) (specify voltage)
- F-8205 Pot, micro-therm, crucible temperature control pilot light socket (220 volts)
- F-8207 Pot, micro-therm, crucible temperature control pilot light wire, 7 1/2" long
- F-8296 Pot, micro-therm, crucible temperature control relay (A.C.) magnet coil (complete) specify volts and cycles
- F-8297 Pot, micro-therm, crucible temperature control relay (A.C.) contact finger (complete)
- F-8298 Pot, micro-therm, crucible temperature control relay (A.C.) adjustable contact point
- F-8299 Pot, micro-therm, crucible temperature control relay (D.C.) magnet coil (complete) specify voltage
- F-8300 Pot, micro-therm, crucible temperature control relay (D.C.) contact finger (complete)
- F-8301 Pot, micro-therm, crucible temperature control relay (D.C.) adjustable contact point
- F-8302 Pot, micro-therm, crucible temperature control relay (A.C.) and (D.C.) armature pin .388 x 1 3/16"
- F-8609 Bakelite contact arm (for D.C. relay)
- F-8612 Connection wire (for A.C. relay)
- F-8613 Bakelite arm (with attachment) (for contact A.C. relay)
- F-9046 Adjustable heel spring attachment
- G-2309 Pot, micro-therm, crucible temperature control relay stud washer
- H-1764 Pot, micro-therm, crucible temperature control relay box mounting screw washer, upper, 1/2" O.D.A.
- J- 223 Pot, micro-therm, crucible temperature control switch screw 10-32 x 7/16"
- J-1228 Pot, micro-therm, crucible temperature control switch screw nut 10-32 x 5/16"
- J-1228 Pot, micro-therm, crucible temperature control relay stud nut 10-32 x 5/16"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering

- A- 864 Pot, micro-therm, mouthpiece temperature control box dial screw 4-48 x 1/4"
- D- 99 Pot, micro-therm, mouthpiece temperature control adjusting shaft pointer screw 8-32 x 3/8"
- D- 168 Pot, micro-therm, mouthpiece temperature control box dial screw 4-42 x 1/4"
- D-1752 Pot, micro-therm, mouthpiece temperature control adjusting shaft stop screw
- F- 16 Pot, micro-therm, mouthpiece bellows and bulb supporting bracket and jacket cover screw
- F- 518 Pot, micro-therm, mouthpiece temperature control box cover screw 10-32 x 1/4"
- F-7163 Pot, micro-therm, mouthpiece temperature control box clamp screw
- F-7164 Pot, micro-therm, mouthpiece temperature control box (A=not threaded)
- F-7165 Pot, micro-therm, mouthpiece temperature control box cover
- F-7166 Pot, micro-therm, mouthpiece temperature control adjusting shaft pointer
- F-7171 Pot, micro-therm, mouthpiece temperature control box dial
- F-7172 Pot, micro-therm, mouthpiece temperature control box jewel
- F-7173 Pot, micro-therm, crucible temperature control indicating bulb (specify voltage)
- F-7174 Pot, micro-therm, mouthpiece temperature control indicating bulb socket
- F-7175 Pot, micro-therm, mouthpiece temperature control indicating bulb socket nut 5/16"-27 x 7/16"
- F-7176 Pot, micro-therm, mouthpiece temperature control indicating bulb socket bushing
- F-7177 Pot, micro-therm, mouthpiece temperature control indicating bulb socket washer
- F-7179 Pot, micro-therm, mouthpiece temperature control armored cable Mu switch lug
- F-7180 Pot, micro-therm, mouthpiece temperature control armored cable, assembled
- F-7182 Pot, micro-therm, mouthpiece Mu switch screw (A.C.) 8-32 x 63/64"
- F-7186 Pot, micro-therm, mouthpiece Mu switch bracket, assembled
- F-7187 Pot, micro-therm, mouthpiece Mu switch bracket stud
- F-7188 Pot, micro-therm, mouthpiece Mu switch bracket spring (A.C.)
- F-7189 Pot, micro-therm, mouthpiece Mu switch bracket spring stud, long
- F-7190 Pot, micro-therm, mouthpiece temperature control box (A.C.) assembled (specify voltage) (30 em)
- F-7191 Pot, micro-therm, mouthpiece temperature control box (D.C.) assembled (specify voltage) (30 em)
- F-7192 Pot, micro-therm, mouthpiece Mu switch (D.C.)
- F-7193 Pot, micro-therm, mouthpiece Mu switch bracket spring (D.C.)
- F-7210 Pot, micro-therm, mouthpiece bellows plunger adjusting screw
- F-7218 Pot, micro-therm, mouthpiece bellows plunger spring
- F-7219 Pot, micro-therm, mouthpiece bellows plunger
- F-7223 Pot, micro-therm, mouthpiece bellows and bulb (30 em)
- F-7224 Pot, micro-therm, mouthpiece bellows and bulb, assembled (30 em)
- F-7227 Pot, micro-therm, mouthpiece bellows and bulb (42 em)
- F-7228 Pot, micro-therm, mouthpiece bellows and bulb, assembled (42 em)
- F-7276 Pot, micro-therm, mouthpiece temperature control armored cable clip, bottom

- F-7277 Pot, micro-therm, mouthpiece temperature control armored cable clip, top
- F-7291 Pot, micro-therm, mouthpiece temperature control box wire, 6" long, bulb socket to Mu switch terminal, bottom
- F-7296 Pot, micro-therm, mouthpiece bellows and bulb supporting bracket
- F-7480 Pot, micro-therm, mouthpiece temperature control adjusting shaft
- F-7521 Pot, micro-therm, mouthpiece temperature control box (A.C.) assembled (42 em)
- F-7522 Pot, micro-therm, mouthpiece temperature control box (D.C.) assembled (42 em)
- F-7569 Pot, micro-therm, mouthpiece temperature control armored cable, assembled (42 em)
- F-7793 Pot, micro-therm, mouthpiece temperature control armored cable, assembled
- F-7795 Pot, micro-therm, mouthpiece temperature control armored cable, assembled (220 volts) (30 em)
- F-7815 Pot, micro-therm, mouthpiece temperature control box (A=threaded)
- F-7817 Pot, micro-therm, mouthpiece temperature control box cover
- F-7818 Pot, micro-therm, mouthpiece temperature control adjusting shaft
- F-7819 Pot, micro-therm, mouthpiece temperature control adjusting shaft pointer stop pin
- F-7838 Pot, micro-therm, mouthpiece temperature control armored cable, assembled (220 volts)
- F-7957 Pot, micro-therm, mouthpiece switch (A.C.)
- F-8174 Pot, micro-therm, mouthpiece temperature control armored cable, assembled (30 em)
- F-8175 Pot, micro-therm, mouthpiece temperature control box
- F-8176 Pot, micro-therm, mouthpiece temperature control box (A.C.) assembled (30 em)
- F-8177 Pot, micro-therm, mouthpiece temperature control box (D.C.) assembled (30 em)
- F-8179 Pot, micro-therm, mouthpiece temperature control armored cable, assembled (42 em)
- F-8180 Pot, micro-therm, mouthpiece temperature control box (A.C.) assembled (42 em)
- F-8181 Pot, micro-therm, mouthpiece temperature control box (D.C.) assembled (42 em)
- F-9041 Pot, micro-therm, mouthpiece bellows bracket
- G- 119 Pot, micro-therm, mouthpiece bellows screw 6-48 x 1/4"
- G- 121 Pot, micro-therm, mouthpiece bellows bracket screw 6-48 x 5/32"
- G- 156 Pot, micro-therm mouthpiece temperature control adjusting shaft pointer screw 8-32 x 5/16"
- G- 274 Pot, micro-therm, mouthpiece temperature control armored cable clip screw 8-32 x 3/8"
- G- 938 Pot, micro-therm, mouthpiece Mu switch bracket spring stud, short
- G-1053 Pot, micro-therm, mouthpiece Mu switch bracket spring stud, short, nut 4-48 x 3/16"
- G-1388 Pot, micro-therm, mouthpiece Mu switch screw washer
- H- 132 Pot, micro-therm, mouthpiece Mu switch screw (D.C.) 8-32 x 1"
- I-2800 Pot, micro-therm, mouthpiece bellows plunger adjusting screw nut 6-48 x 1/4"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



B-268 ASSEMBLED



B-63



A-901

F-6195



B-66



B-508 ASSEMBLED



B-67



F-30



F-31



B-210



B-64



B-65

F-592
(1/16")F-593
(1/32")F-594
(1/64")F-361
(30 EM)F-1329
(42 EM)

F-362



F-1820 (30 EM)



F-3712 (42 EM)

C-1562
(30 EM)C-1507
(42 EM)

C-142 (30 EM)

C-153
(42 EM)

C-116

F-539 ASSEMBLED
(30 EM)F-3702 ASSEMBLED
(42 EM)

F-536



F-28 ASSEMBLED



BB-148



F-25



F-26

F-537 (30 EM)
F-3701 (42 EM)

F-538



F-3515



E-430



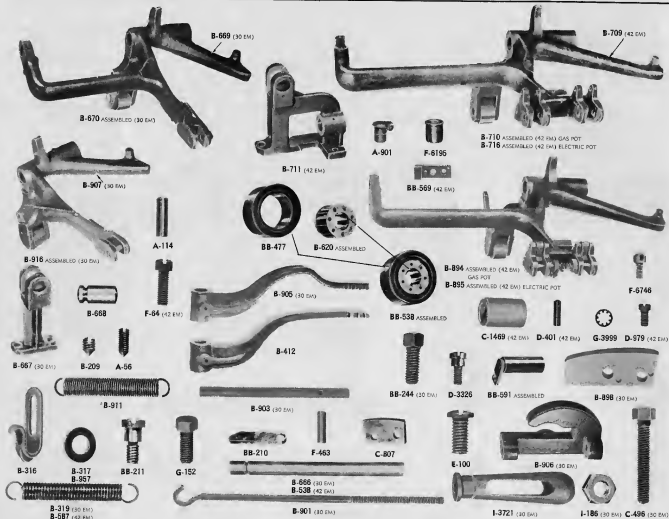
F-27

A- 901 Pot lever shaft oil hole cover
 B- 63 Pot lever
 B- 64 Pot return cam shoe
 B- 65 Pot return cam shoe screw 14-24 x 3/4"
 B- 66 Pot cam roll
 B- 67 Pot cam roll pin
 B- 210 Pot cam roll pin set screw
 B- 268 Pot lever, assembled
 B- 508 Pot cam roll anti-friction roll, assembled
 BB-148 Pot lever eyebolt hinge pin screw 8-32 x 5/16"
 C- 116 Pot return cam dowel 1/4" x 11/16"
 C- 142 Pot return cam screw (30 em) 3/8"-16 x 3/4"
 C- 153 Pot return cam screw (42 em) 3/8"-16 x 21/32"
 C-1507 Pot return cam (42 em)
 C-1562 Pot return cam (30 em)
 E- 430 Pot lever eyebolt nut locking nut 1/2"-12 x 11/16"
 F- 25 Pot lever eyebolt nut, long
 F- 26 Pot lever spring washer
 F- 27 Pot lever spring

Parts are for All Models Unless Otherwise Specified

F- 28 Pot lever eyebolt hinge pin, assembled
 F- 30 Pot lever shaft
 F- 31 Pot lever shaft set screw 1/4"-20 x 1/2"
 F- 361 Pot balancing spring (30 em)
 F- 362 Pot balancing spring cap
 F- 536 Pot lever eyebolt
 F- 537 Pot lever eyebolt sleeve (30 em)
 F- 538 Pot lever eyebolt sleeve rivet
 F- 539 Pot lever eyebolt, assembled (30 em)
 F- 592 Pot lever adjusting washer, 1/16" thick
 F- 593 Pot lever adjusting washer, 1/32" thick
 F- 594 Pot lever adjusting washer, 1/84" thick
 F-1329 Pot balancing spring (42 em)
 F-1820 Pot balancing spring base (30 em)
 F-3515 Pot lever eyebolt nut, short
 F-3701 Pot lever eyebolt sleeve (42 em)
 F-3702 Pot lever eyebolt, assembled (42 em)
 F-3712 Pot balancing spring base (42 em)
 F-6195 Pot lever shaft oil hole cover

Please Give Model and Serial Number When Ordering



* USED ON MACHINES HAVING ADJUSTABLE EYEBOLT NUT I-3721

- A- 56 Pot pump spring lever set screw 1/4"-24 x 5/8"
 A- 114 Pot pump lever support dowel (30 em) 1/4" x 13/16"
 A- 114 Pot pump lever support and vertical mouthpiece wiper shaft bracket, back dowel (42 em) 1/4" x 13/16"
 A- 901 Pot pump lever shaft oil hole cover
 A- 901 Pot pump lever support shaft oil hole cover
 A- 901 Pot pump lever support and vertical mouthpiece wiper shaft bracket, back oil hole cover (42 em)
 B- 209 Pot pump lever support shaft set screw 1/4"-24 x 5/16"
 B- 316 Pot pump lever spring adjusting hook
 B- 317 Pot pump lever spring adjusting hook screw washer 1/2"-1" x 1/16"
 B- 319 Pot pump lever spring (30 em)
 B- 412 Pot pump spring lever
 B- 538 Pot pump lever shaft (42 em)
 B- 587 Pot pump lever spring (42 em)
 B- 620 Pot pump cam roll anti-friction roll, assembled
 B- 666 Pot pump lever shaft (30 em)
 B- 667 Pot pump lever support (30 em)
 B- 668 Pot pump lever support shaft
 B- 669 Pot pump lever (30 em)
 B- 670 Pot pump lever, assembled (30 em)
 B- 709 Pot pump lever (42 em)
 B- 710 Pot pump lever, assembled (42 em) (for gas pot)
 B- 711 Pot pump lever support and vertical mouthpiece wiper shaft bracket (42 em)
 B- 716 Pot, electric, pump lever, assembled (42 em) (for electric pot)
 B- 894 Pot pump lever, assembled (42 em) (for gas pot)
 B- 895 Pot (electric) pump lever, assembled (42 em) (for electric pot)
 B- 898 Pot pump lever latch cam (30 em)
 B- 901 Pot pump lever spring adjusting hook (30 em)
 B- 903 Pot pump lever shaft (30 em)
 B- 905 Pot pump spring lever (30 em)
 B- 906 Pot pump lever spring adjusting hook bracket (30 em)

Parts are for All Models Unless Otherwise Specified

- B- 907 Pot pump lever (30 em)
 B- 911 Pot pump lever spring
 B- 916 Pot pump lever, assembled (30 em)
 B- 957 Pot pump washer 1" x 1 1/2" x .010", .015", .032"
 BB-210 Pot pump lever latch
 BB-211 Pot pump lever latch screw
 BB-244 Pot pump lever shaft set screw (30 em) 5/16"-18 x 5/8"
 BB-477 Pot pump cam roll
 BB-538 Pot pump cam roll, assembled
 BB-569 Pot pump lever stop lever, catch block (42 em)
 BB-591 Pot pump cam roll pin, assembled
 C- 496 Pot pump lever spring adjusting hook bracket screw (30 em) 3/8"-18 x 2 3/8"
 C- 807 Pot pump lever latch cam
 C-1469 Pot pump lever shaft sleeve (42 em)
 D- 401 Pot pump lever stop lever catch block dowel (42 em) 1/8" x 7/16"
 D- 707 Pot pump lever spring adjusting hook screw 3/8"-18 x 7/8"
 D- 979 Pot pump lever stop lever catch block screw (42 em) 10-32 x 3/8"
 D-3326 Pot pump cam roll plate screw
 E- 100 Pot pump lever latch cam screw 3/8"-16 x 3/4"
 F- 64 Pot pump lever support and vertical mouthpiece wiper shaft bracket, back, screw, front (42 em) 1/4"-24 x 23/32"
 F- 463 Pot pump lever latch cam dowel 3/16" x 5/8"
 F-6195 Pot pump lever shaft oil hole cover
 F-6746 Pot pump plunger safety stop spring eye
 G- 152 Pot pump lever spring adjustment hook screw 3/8"-18 x 1"
 G- 152 Pot pump lever support screw 3/8"-16 x 1"
 G- 152 Pot pump lever support and vertical mouthpiece wiper shaft bracket, screw, back (42 em) 3/8"-16 x 1"
 G-3999 Pot pump lever stop lever bracket screw lock washer
 I- 186 Pot pump lever spring adjusting hook bracket screw nut (30 em) 3/8"-16 x 1/4"
 I-3721 Pot pump lever spring adjusting hook eyebolt nut (30 em)

Please Give Model and Serial Number When Ordering



- A- 26 Pot pump bracket screw, lower (30 em) 3/4"-10 x 2 1/4"
 A- 56 Pot pump spring lever set screw 1/4"-24 x 5/8"
 A- 133 Pot pump bracket screw, upper (30 em) 3/4"-10 x 3 5/8"
 A- 181 Pot pump bracket (42 em)
 A- 646 Pot pump bracket extension screw bushing
 screw (42 em) 5/8"-11 x 4 1/2"
 A- 691 Pot pump bracket screw, upper (42 em) 3/4"-10 x 5 5/8"
 A- 692 Pot pump bracket screw, lower (42 em) 3/4"-10 x 4 1/4"
 A- 701 Pot pump bracket dowel .372" x 2"
 A- 735 Pot pump bracket (30 em)
 A- 945 Pot pump dowel 3/8" x 2"
 A- 970 Pot pump bracket support bracket
 B- 259 Pot pump bracket extension screw bushing screw
 nut (42 em) 5/8"-11 x 1 1/16"
 B- 896 Pot pump lever retaining rod finger (30 em)
 B- 897 Pot pump lever retaining rod screw (30 em)
 B- 899 Pot pump lever retaining rod support screw bracket
 bushing (30 em)
 B- 900 Pot pump lever retaining rod support screw (30 em)
 B- 902 Pot pump lever retaining rod (30 em)
 B- 904 Pot pump lever retaining rod support screw bracket (30 em)
 B- 914 Pot pump lever retaining rod support screw
 bracket, assembled (30 em)
 B- 915 Pot pump lever retaining rod, assembled (30 em)
 B- 944 Pot pump lever retaining rod screw bracket (42 em)
 B- 945 Pot pump lever retaining rod support screw bracket (42 em)

Parts are for All Models Unless Otherwise Specified

- B- 946 Pot pump lever retaining rod finger (42 em)
 B- 947 Pot pump lever retaining rod (42 em)
 B- 948 Pot pump lever retaining rod, assembled (42 em)
 B- 961 Pot pump lever retaining rod screw bracket screw (42 em)
 BB-122 Pot pump bracket support bracket screw (30 em) 5/8"-11 x 1 3/4"
 BB-134 Pot pump lever retaining rod finger dowel 1/8" x 3/8"
 D- 584 Pot pump lever retaining rod finger screw 1/4"-24 x 1/2"
 D-1031 Pot pump lever retaining rod spring stud (30 em)
 E-2720 Pot pump lever retaining rod support screw
 nut (30 em) 5/16"-18 x 1/8"
 E-2335 Pot pump lever retaining rod finger screw lock washer
 F- 717 Pot pump lever retaining rod support screw bracket
 screw washer (30 em)
 F- 810 Pot pump lever retaining rod support screw bracket screw (30 em)
 F-3852 Pot pump bracket extension screw bushing (42 em)
 F-3853 Pot pump bracket extension screw bushing washer (42 em)
 F-3854 Pot pump bracket extension screw bushing screw washer (42 em)
 F-6476 Pot pump bracket extension screw bushing washer (42 em)
 F-6746 Pot pump lever retaining rod spring eye
 G- 183 Pot pump lever retaining rod spring (30 em)
 H- 602 Pot pump bracket extension screw (42 em) 3/8"-16 x 2 1/4"

Parts Not Illustrated

- A- 978 Pot pump bracket, assembled
 F-3679 Pot pump bracket extension (42 em)

Please Give Model and Serial Number When Ordering



B- 217 Pot pump plunger rod hinge pin catch screw (30 em) 8-32 x 1/4"
 B- 217 Pot pump locking pin chain screw (30 em) 8-32 x 1/4"
 BB- 34 Pot pump plunger rod hinge pin catch (30 em)
 BB-104 Pot pump locking pin chain (30 em)
 BB-349 Pot pump plunger rod hinge pin catch (42 em)
 BB-450 Pot pump locking pin (42 em)
 BB-488 Pot pump locking pin (30 em)
 BB-490 Pot pump locking pin, assembled (30 em)
 BB-491 Pot, electric, pump locking pin (42 em)
 BB-492 Pot, electric, pump locking stud (42 em)
 BB-493 Pot, electric, pump locking pin collar (42 em)
 BB-494 Pot, electric, pump locking pin spring (42 em)
 BB-711 Pot pump locking pin (30 em)
 D- 526 Pot pump plunger rod hinge pin catch screw (42 em) 4-48 x 3/16"
 D- 903 Pot pump plunger safety pawl hinge pin (42 em) 3/16" x 1 3/16"
 F- 235 Pot pump plunger safety spring hook (42 em)
 F-1516 Pot pump plunger pin 3/8" x 1 41/64"
 F-3230 Pot pump plunger rod spring screw (30 em)
 F-3680 Pot pump plunger safety equalizer (42 em)
 F-3681 Pot pump plunger safety equalizer washer (42 em)
 F-3682 Pot pump plunger safety pawl (42 em)
 F-3683 Pot pump plunger safety stop (42 em)
 F-4049 Pot pump plunger (without adjusting screw and nut)
 F-4050 Pot pump plunger adjusting screw

F-4051 Pot pump plunger adjusting screw nut 3/8"-32 x 3/4"
 F-4079 Pot pump plunger, assembled
 F-4116 Pot pump plunger safety equalizer screw (42 em)
 F-4482 Pot pump locking pin keeper
 F-4483 Pot pump plunger rod
 F-4484 Pot pump plunger, assembled
 F-6193 Pot pump plunger rod sleeve
 F-6194 Pot pump plunger rod, assembled
 F-6389 Pot pump plunger safety stop screw (42 em)
 F-6475 Pot pump plunger safety stop (42 em)
 F-6538 Pot pump plunger safety stop pin (42 em)
 F-6746 Pot pump plunger safety stop spring eye (42 em)
 F-8359 Pot pump plunger rod (30 em)
 F-8360 Pot pump plunger rod, assembled
 F-8361 Pot pump plunger, assembled (30 em)
 F-8362 Pot pump plunger rod spring
 G- 346 Pot pump plunger safety stop spring (42 em)
 H- 144 Pot, electric, pump locking pin collar set screw (42 em) 8-32 x 5/16"
 I-2743 Pot pump plunger safety equalizer adjusting screw (42 em) 10-32 x 5/8"
 J-1228 Pot pump plunger safety equalizer adjusting screw nut (42 em) 10-32 x 5/16"
 J-5550 Pot pump locking pin set screw (30 em)

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



BB-561 (30 EM)
BB-572 (42 EM)



I-5796



BB-560 (30 EM)
BB-571 (42 EM)



E-165



D-107



BB-562



E-3120



G-3398



J-1228



G-346 (30 EM)



G-139 (30 EM)



G-2790



BB-564 (30 EM)



BB-574 (42 EM)



BB-566



BB-565



D-327 - 1/8" L
D-330 - 15/16" L



D-1619



BB-563



BB-569 (30 EM)
BB-570 (42 EM)



BB-670 (30 EM)



F-16



BB-675 (30 EM)



J-483



BB-595 (30 EM)



BB-567 (30 EM)



D-326 (30 EM)



H-2290 (42 EM)



BB-575 (42 EM)

- 88-559 Pot pump safety lever, long, stud support (30 em)
- 88-560 Pot pump safety stop lever, long, stud (30 em)
- 88-561 Pot pump safety stop lever, long (30 em)
- 88-562 Pot pump safety stop lever, long, spring
- 88-563 Pot pump safety lever, long, stud support screw
- 88-564 Pot pump safety stop lever, short (30 em)
- 88-565 Pot pump safety stop lever, short, stud
- 88-566 Pot pump safety stop lever, short, stud screw 8-32 x 5/16"
- 88-567 Pot, electric, pump safety stop rod (30 em)
- 88-570 Pot pump safety lever, long, stud support (42 em)
- 88-571 Pot pump safety stop lever, long, stud (42 em)
- 88-572 Pot pump safety stop lever, long (42 em)
- 88-574 Pot pump safety stop lever, short (42 em)
- 88-575 Pot pump safety stop rod (42 em)
- 88-595 Pot pump, gas, safety stop rod (30 em)
- 88-670 Pot pump, gas, safety stop rod (30 em)
- 88-675 Pot pump, gas, safety stop rod support (30 em)

Parts are for All Models Unless Otherwise Specified

- D- 107 Pot pump safety stop lever, long, stud washer
- D- 326 Pot pump safety stop rod screw (30 em) 8-32 x 3/4"
- D- 327 Pot pump stop lever banking pin 1/8" x 7/8"
- D- 330 Pot pump safety stop lever, short, banking pin 1/8" x 5/16"
- D-1619 Pot pump safety stop lever, short, stud
- E- 165 Pot pump safety stop lever, long, stud nut 3/8"-16 x 5/8"
- E-3120 Pot pump safety stop lever, long, adjusting screw 10-32 x 11/16"
- F- 16 Pot jacket cover and pot pump, gas, safety stop screw, long 1/4"-24 x 2 1/2"
- G- 139 Pot pump safety stop lever, long, spring hook (30 em)
- G- 346 Pot pump safety stop lever, long, spring (30 em)
- G-2790 Pot pump safety stop lever, long, spring eye
- G-3398 Pot pump safety stop lever, long, adjusting screw nut 1/4"-24 x 3/8"
- H-2290 Pot pump safety, stop rod screw (42 em) 1/4"-24 x 13/16"
- I-5795 Pot pump safety stop lever, long, adjusting screw
- J- 463 Pot pump, gas, safety stop rod support nut 1/4"-24 x 3/8"
- J-1228 Pot pump safety stop lever, long, adjusting screw nut 10-32 x 5/16"

Please Give Model and Serial Number When Ordering



BB-602 ASSEMBLED (30 EM)



BB-220



BB-599



BB-607 ASSEMBLED (42 EM)

BB-603 (42 EM)



BB-219 (30 EM)



A-38 (30 EM)



BB-600 (30 EM)



BB-221 (10 28 X 5/16")
 D-802 (30 EM) (8 32 X 15/16")
 D-1326 (42 EM) (10 32 X 5/16")



BB-218



BB-601



BB-605 (42 EM)



BB-606 (42 EM)



BB-604 (42 EM)



BB-212



BB-213



BB-214



D-145 (30 EM) (1/8" X 5/8")
 D-330 (1 3/4" X 5/16")
 D-401 (42 EM) (1/8" X 7/16")



E-26



G-126



BB-520 (30 EM) (A=5/8")
 BB-558 (30 EM) (A=11/32")



B-65 (30 EM)



BB-556 (42 EM)



D-979 (42 EM)



BB-568
 ASSEMBLED (30 EM)

BB-557 (30 EM)



BB-704
 ASSEMBLED (30 EM)

BB-702 (30 EM)



BB-215 (30 EM)
 BB-458 (42 EM)

BB-215 (30 EM)



BB-576 (42 EM)

BB-577 ASSEMBLED (42 EM)



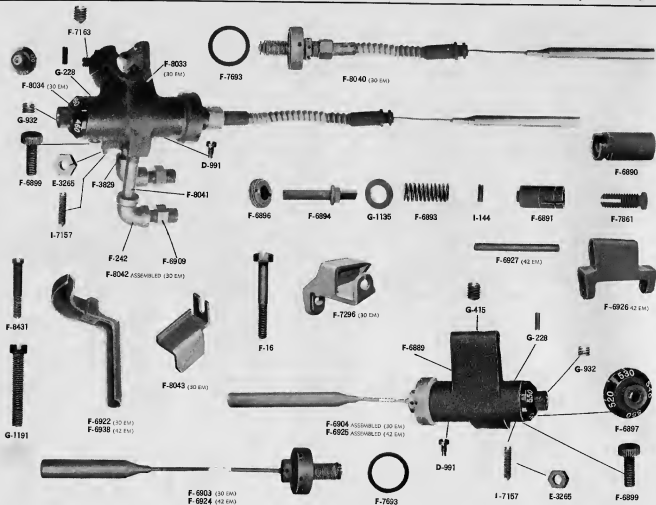
F-244 (30 EM) (16 X 1 1/2")
 G-152 (30 EM) (16 X 1")

- A- 38 Pot pump lever stop lever operating lever bracket screw (30 em) 14-24 x 3/4"
- B- 65 Pot pump lever stop lever catch block screw (30 em) 14-24 x 3/4"
- BB-212 Pot pump lever stop lever
- BB-213 Pot pump lever stop lever fulcrum screw
- BB-214 Pot pump lever stop lever spring
- BB-215 Pot pump lever stop lever bracket (30 em)
- BB-218 Pot pump lever stop lever operating lever screw
- BB-219 Pot pump lever stop lever operating lever bracket (30 em)
- BB-220 Pot pump lever stop lever operating lever adjusting screw 10-28 x 7/8" (Models 29, 30, 31, 32)
- BB-221 Pot pump lever stop lever operating lever adjusting screw nut 10-28 x 5/16" (Models 29, 30, 31, 32)
- BB-234 Pot pump lever stop lever bracket, assembled (30 em)
- BB-458 Pot pump lever stop lever bracket (42 em)
- BB-459 Pot pump lever stop lever bracket, assembled (42 em)
- BB-520 Pot pump lever stop lever catch block (30 em) (A=3/8")
- BB-556 Pot pump lever stop lever catch block (42 em)
- BB-557 Pot pump lever stop lever bracket (30 em)
- BB-558 Pot pump lever stop lever catch block (30 em) (A=17/32") (for use with lever BB-561)
- BB-568 Pot pump lever stop lever bracket, assembled (30 em)
- BB-576 Pot pump lever stop lever bracket (42 em)
- BB-577 Pot pump lever stop lever bracket, assembled (42 em)
- BB-598 Pot pump lever stop lever operating lever (30 em)
- BB-599 Pot pump lever stop lever operating lever adjusting screw bushing

- BB-600 Pot pump lever stop lever operating lever adjusting screw (30 em)
- BB-601 Pot pump lever stop lever operating lever adjusting screw safety spring
- BB-602 Pot pump lever stop lever operating lever, assembled (30 em)
- BB-603 Pot pump lever stop lever operating lever (42 em)
- BB-604 Pot pump lever stop lever operating lever adjusting screw (42 em)
- BB-605 Pot pump lever stop lever operating lever adjusting screw safety spring retainer (42 em)
- BB-606 Pot pump lever stop lever operating lever adjusting screw nut (42 em)
- BB-607 Pot pump lever stop lever operating lever, assembled (42 em)
- BB-702 Pot pump lever stop lever bracket (30 em)
- BB-704 Pot pump lever stop lever bracket, assembled (30 em)
- D- 145 Pot pump lever stop lever catch block dowel (30 em) 1/8" x 5/8"
- D- 330 Pot pump lever stop lever banking pin 1/8" x 5/16"
- D- 401 Pot pump lever stop lever catch block dowel (42 em) 1/8" x 7/16"
- D- 802 Pot pump lever stop lever operating lever adjusting screw nut (30 em) 8-32 x 15/16"
- D- 979 Pot pump lever stop lever catch block screw (42 em) 10-32 x 3/8"
- D-1326 Pot pump lever stop lever operating lever adjusting screw lock nut (42 em) 10-32 x 5/16"
- E- 26 Pot pump lever stop lever spring screw 8-32 x 7/16"
- F- 244 Pot pump lever stop lever bracket screw, lower 3/8"-16 x 1 1/2"
- G- 126 Pot pump lever stop lever operating screw 1/4"-24 x 7/8"
- G- 152 Pot pump lever stop lever bracket screw, upper 3/8"-16 x 1"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering

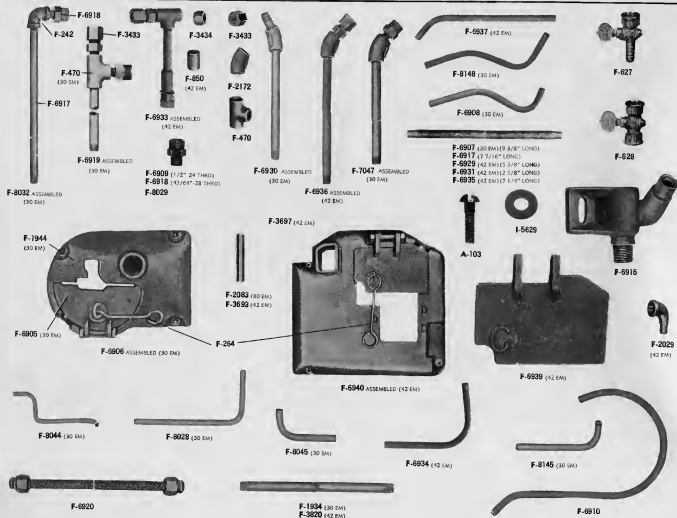


- D- 991 Thermostat body liner locating screw
 E-3265 Thermostat body by-pass adjusting screw lock nut 8-32 x 1/4"
 F- 16 Pot crucible mouthpiece thermostat bellows and bulb supporting bracket screw
 F- 242 Thermostat connection pipe, short, elbow
 F-3829 Thermostat connecting pipe, short, nipple, 7/8" long
 F-6869 Thermostat body
 F-6890 Thermostat body liner
 F-6891 Thermostat valve plunger
 F-6893 Thermostat valve plunger return spring
 F-6894 Thermostat valve plunger adjusting screw operating shaft
 F-6896 Thermostat body packing nut
 F-6897 Thermostat valve plunger adjusting screw operating shaft knob
 F-6899 Thermostat valve plunger adjusting screw operating shaft knob locking screw
 F-6903 Thermostat expansion tube and enclosing nut
 F-6904 Thermostat, assembled (30 em)
 F-6909 Thermostat connection tube, short, union, 1/8" pipe thrd x 1/2"-34
 F-6922 Thermostat expansion tube guard (30 em)
 F-6924 Thermostat expansion tube and enclosure nut (42 em)
 F-6925 Thermostat, assembled (42 em)
 F-6926 Thermostat body adapter (42 em)
 F-6927 Thermostat body shaft (42 em)
 F-6938 Thermostat expansion tube guard (42 em)

Parts are for All Models Unless Otherwise Specified

- F-7163 Pot crucible mouthpiece thermostat clamp screw 5/16"-18 x 3/4"
 F-7296 Pot crucible mouthpiece thermostat bellows and bulb supporting bracket (30 em)
 F-7693 Thermostat expansion tube and enclosing nut washer
 F-7861 Thermostat valve plunger adjusting screw
 F-8033 Pot crucible mouthpiece thermostat body (30 em)
 F-8034 Pot crucible mouthpiece thermostat valve plunger adjusting screw operating shaft knob (30 em)
 F-8040 Pot crucible mouthpiece thermostat bellows and bulb (30 em)
 F-8041 Pot mouth burner connecting tube, short, r.h., nipple (30 em)
 F-8042 Pot crucible mouthpiece thermostat, assembled (30 em)
 F-8043 Pot crucible mouthpiece thermostat bellows and bulb heat deflector (30 em)
 F-8431 Thermostat expansion tube guard screw
 G- 228 Thermostat valve plunger adjusting screw operating shaft knob stop
 G- 228 Thermostat body plug
 G- 415 Thermostat body set screw 6-48 x 1/8"
 G- 932 Thermostat valve plunger adjusting screw operating shaft knob set screw 8-32 x 1/8"
 G-1135 Thermostat valve plunger return spring washer
 G-1191 Thermostat expansion tube guard screw 1/4"-24 x 1/2"
 I- 144 Thermostat valve plunger adjusting screw stop pin
 I-7157 Thermostat body by-pass adjusting screw 8-32 x 13/16"

Please Give Model and Serial Number When Ordering



- A- 103 Pot, gas, burner connecting pipe bracket screw 14-24 x 1"
- F- 242 Thermostat connection pipe, short, elbow (30 em)
- F- 264 Pot lid handle
- F- 470 Pot mouth burner connecting tube tee
- F- 470 Thermostat connection pipe, short, tee (30 em)
- F- 627 Pot, gas, burner auxiliary valve
- F- 628 Pot, gas, burner connecting pipe valve
- F- 850 Thermostat feed pipe, short, coupling (42 em)
- F-1934 Pot, gas, burner connecting pipe (30 em)
- F-1944 Pot jacket cover (30 em)
- F-2029 Pot mouth burner street elbow (42 em)
- F-2083 Pot lid hinge pin
- F-2172 Thermostat pipe connection, long, elbow, 45°
- F-2172 Thermostat connection pipe, short, elbow, 45° (42 em)
- F-3433 Pot mouth burner connecting tube union nut
- F-3433 Thermostat connecting tube, short, nut
- F-3434 Pot mouth burner connecting tube union ferrule
- F-3434 Thermostat connecting tube, short, union ferrule
- F-3693 Pot lid hinge pin (42 em)
- F-3697 Pot jacket cover
- F-3820 Pot, gas, burner connecting pipe (42 em)
- F-6905 Pot jacket cover lid (30 em)
- F-6906 Pot jacket cover, assembled (30 em)
- F-6907 Thermostat pipe connection, long (30 em) 3/8" long
- F-6908 Thermostat connection tube, short (30 em)
- F-6909 Pot mouth burner connecting tube union
- F-6910 Pot mouth burner connecting tube
- F-6915 Pot, gas, burner connecting pipe bracket
- F-6917 Thermostat connecting pipe, short 7/18" long
- F-6918 Thermostat connecting pipe, short, flexible hose nipple
1/8" pipe thrd x 43/64"-28

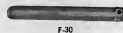
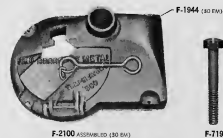
Ports are for All Models Unless Otherwise Specified

- F-6919 Thermostat connection pipe, short, assembled (30 em)
- F-6920 Pot mouth burner connection tube, short, flexible hose
- F-6929 Thermostat connection pipe, short (42 em) 3/8" long
- F-6930 Thermostat connection pipe, short, assembled (42 em)
- F-6931 Thermostat feed pipe, short (42 em) 2 5/8" long
- F-6933 Thermostat feed pipe, short, assembled (42 em)
- F-6934 Pot mouth burner connection tube (42 em)
- F-6935 Thermostat pipe connection, long (42 em) 7 1/4" long
- F-6936 Thermostat pipe connection, long, assembled (42 em)
- F-6937 Thermostat connection tube, short (42 em)
- F-6939 Pot jacket cover lid (42 em)
- F-6940 Pot jacket cover, assembled (42 em)
- F-7047 Thermostat pipe connection, long, assembled (30 em)
- F-8028 Pot mouth burner connecting tube, short, l.h. (30 em)
- F-8029 Pot mouth burner connecting tube, short, flexible hose nipple
- F-8032 Thermostat connection pipe, short, assembled (30 em)
- F-8044 Pot mouth burner connecting tube, long (30 em)
- F-8045 Pot mouth burner connecting tube, short, r.h. (30 em)
- F-8145 Pot mouthpiece and throat burner connecting tube, l.h. (30 em)
- F-8148 Thermostat connection tube, short (30 em)
- I-5629 Pot, gas, burner connecting pipe bracket screw washer

Parts Not Illustrated

- F-6921 Thermostat and connection pipe, assembled (30 em)
- F-6941 Thermostat and connection pipe, assembled (42 em)
- F-8046 Thermostat and connection pipe, assembled (30 em)
- F-8152 Thermostat and connection pipe, assembled (42 em)

Please Give Model and Serial Number When Ordering



*Without Horizontal Grooves on Face.

- A- 110 Pot leg set screw 3/8"-16 x 1"
 A- 901 Pot jacket oil hole cover
 BB-134 Pot mouthpiece pin 1/8" x 3/8"
 C- 93 Pot leg cap adjusting screw nut 3/8"-16 x 1/2"
 C- 93 Pot leg set screw nut 3/8"-16 x 1/2"
 C- 93 Pot leg adjusting screw nut 3/8"-16 x 1/2"
 D- 159 Pot mouth burner guard plate screw 8-32 x 3/16"
 D- 159 Pot mouth burner deflecting plate screw 8-32 x 3/16"
 D- 168 Pot jacket cover guard screw 4-48 x 1/4"
 E- 194 Pot leg cap adjusting screw 3/8"-16 x 1 3/16"
 E-1654 Pot leg cap screw washer
 F- 30 Pot lever shaft
 F- 31 Pot lever shaft set screw 1/4"-20 x 1/2"
 F- 264 Pot lid handle
 F- 570 Pot leg cap
 F- 608 Pot mouth burner deflecting plate (30 em)
 F- 609 Pot mouth burner guard plate (30 em)
 F- 719 Pot jacket cover screw 1/4"-24 x 1 7/8"
 F- 860 Pot adjusting screw 1/4"-24 x 5/16"
 F-1944 Pot jacket cover (30 em)
 F-2082 Pot jacket cover lid
 F-2083 Pot lid hinge pin (30 em)
 F-2100 Pot jacket cover, assembled (30 em)
 F-2556 Pot crucible mouthpiece (30 em) wide face (single row of holes)
 F-2569 Pot crucible mouthpiece, didot (26 cicero) wide face (single row of holes)
 F-2572 Pot, assembled (30 em) (specify mouthpiece F-2556 or F-2569)
 F-2980 Pot crucible mouthpiece, head-letter (30 em) (for 14 rib molds)
 F-2999 Pot, assembled (30 em) (specify mouthpiece F-3813, F-3799, F-2980, F-3223 or F-6716)
 F-3223 Pot crucible mouthpiece, head-letter (didot) (26 cicero) (for 14 rib molds)
 F-3370 Pot crucible mouthpiece, head-letter (42-45 point) (30 em) (for 14 rib molds)

- F-3371 Pot crucible (42-45 point) (30 em)
 F-3372 Pot crucible and mouthpiece (42-45 point) assembled (30 em) (specify mouthpiece F-3370, F-4197 or F-6773)
 F-3388 Pot crucible mouthpiece, head-letter (didot) (35-43 point) (for 14 rib molds)
 F-3399 Pot crucible mouthpiece, narrow face (30 em) (single row of holes)
 F-3489 Pot, assembled (30 em) (with mouthpiece F-3399)
 F-3613 Pot crucible mouthpiece, head-letter (30 point) (for 9 rib molds)
 F-3799 Pot crucible mouthpiece (didot) head-letter (26 cicero) (for 9 rib molds)
 F-4197 Pot crucible mouthpiece, head-letter (41-45 point) (30 em) (for 9 rib molds)
 F-4544 Pot leg adjusting screw 3/8"-16 x 15/16"
 F-4545 Pot leg bushing (supplied standard, undersize or oversize)
 F-6220 Pot leg cap screw
 F-6718 Pot crucible mouthpiece, head-letter (for 15 rib molds) (dry mat process) (30 em)
 F-6773 Pot crucible mouthpiece, head-letter (42-45 point) (30 em) (for 15 rib molds) (dry mat process)
 F-7379 Pot crucible mouthpiece (combination mouthpiece for 9 rib display, 14 rib recess and 15 rib display molds)
 F-7947 Pot crucible mouthpiece, head-letter (for 9 rib molds) (without grooves)
 F-7949 Pot crucible mouthpiece, head-letter (for 15 rib molds) (for dry mat process) (without grooves)
 F-8138 Pot crucible (30 em)
 F-8325 Pot crucible guard
 F-8889 Pot mouthpiece screw 1/4"-24 x 3/6"
 G- 119 Pot crucible drip guard screw
 G-3999 Pot leg adjusting screw lock washer
- Parts Not Illustrated
- F-4546 Pot jacket (30 em)
 F-4547 Pot and jacket, assembled (30 em)
 F-4631 Pot jacket, assembled (30 em)

Ports are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



F-454



E-194



A-38



F-6220



F-3708 (42 EM)



E-1654



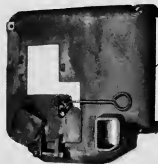
F-860



F-254



A-901



F-3698 ASSEMBLED (42 EM)



F-4545



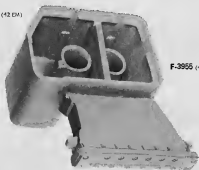
G-3999



F-30



D-159

F-3955 ASSEMBLED (42 EM) (42-45 PT)
F-4153 ASSEMBLED (42 EM)

F-3707 (42 EM)



F-3706 (42 EM)



C-93



H-2290 (42 EM)



BB-134



F-3693 (42 EM)



F-3666 (42 EM)



F-3696 (42 EM)



F-570



A-110



F-719



F-31



D-341

F-3954 (42 EM) (45 PT) F-7362 (42 EM) (42-45 PT)
F-4130 (42 EM) (36 PT) F-8353 (42 EM) (36 PT)
F-4132 (42 EM) F-8354 (42 EM) (36 PT)
F-4137 (42 EM) F-4133 (40 C/CERO)
F-7252 (42 EM) (36 PT) F-6074 (40 C/CERO) (39-43 PT)

A- 38 Pot crucible gas chimney screw (42 em) 14-24 x 3/4"
 A- 110 Pot leg set screw 3/8"-16 x 1"
 A- 901 Pot jacket oil hole cover
 BB-134 Pot mouthpiece pin 1/8" x 3/8"
 C- 93 Pot leg adjusting screw nut 3/8"-16 x 1/2"
 C- 93 Pot leg cap adjusting screw nut 3/8"-16 x 1/2"
 C- 93 Pot leg set screw nut 3/8"-16 x 1/2"
 D- 159 Pot mouth burner deflecting plate screw 8-32 x 3/16"
 D- 159 Pot mouth burner guard plate screw 8-32 x 3/16"
 D- 341 Pot leg cap screw 14-24 x 5/8"
 E- 194 Pot leg cap adjusting screw 3/8"-16 x 1 3/16"
 E- 194 Pot leg adjusting screw, short (42 em) 3/8"-16 x 1 3/16"
 E-1654 Pot leg cap screw lock washer
 F- 30 Pot lever shaft
 F- 31 Pot lever shaft set screw 1/4"-20 x 1/2"
 F- 264 Pot lid handle
 F- 570 Pot leg cap
 F- 719 Pot jacket cover screw 1/4"-24 x 1 7/8"
 F- 860 Pot adjusting screw 1/4"-24 x 1 5/16"
 F-3686 Pot jacket cover lid, auxiliary
 F-3693 Pot lid hinge pin (42 em)
 F-3696 Pot jacket cover lid (42 em)
 F-3697 Pot jacket cover (42 em)
 F-3698 Pot jacket cover, assembled (42 em)
 F-3706 Pot crucible brace (42 em)
 F-3707 Pot crucible gas chimney (42 em)
 F-3709 Pot mouth burner deflecting plate (42 em)

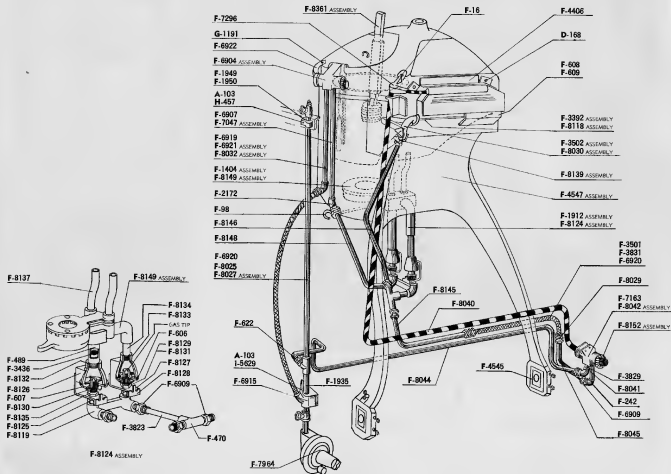
Parts are for All Models Unless Otherwise Specified

F-3710 Pot mouth burner guard plate (42 em)
 F-3954 Pot crucible mouthpiece, head-letter (42-45 point) (42 em)
 (for 12 rib molds)
 F-3955 Pot crucible (42 em) (specify mouthpiece F-4130 or F-4133)
 F-3956 Pot crucible and mouthpiece, assembled (42-45 point) (42 em)
 F-4130 Pot crucible mouthpiece, head-letter (42 em) (for 12 rib molds)
 F-4132 Pot crucible mouthpiece (42 em) wide face (single row of holes)
 F-4133 Pot crucible mouthpiece, didot, head-letter (40 cicero)
 (for 12 rib molds)
 F-4137 Pot crucible mouthpiece (42 em) narrow face (single row of holes)
 F-4153 Pot, assembled (42 em)
 F-4544 Pot leg adjusting screw, long 3/8"-16 x 1 5/16"
 F-4545 Pot leg bushing (supplied standard, undersize or oversize)
 F-6074 Pot crucible mouthpiece, didot (40 cicero) head-letter (39-43 point)
 (for 12 rib molds)
 F-6220 Pot leg cap screw
 F-7252 Pot crucible mouthpiece, head-letter (42 em) (for 21 rib molds)
 F-7362 Pot crucible mouthpiece, 45 point (42 em) (for 21 rib molds)
 F-8353 Pot crucible mouthpiece, head-letter (42 em) (for 12 rib molds)
 F-8354 Pot crucible mouthpiece, head-letter (42 em) (for 21 rib molds)
 G- 308 Pot mouthpiece screw 1/4"-24 x 7/16"
 G-3999 Pot leg adjusting screw lock washer
 H-2290 Pot crucible brace screw (42 em) 1/4"-24 x 5/8"

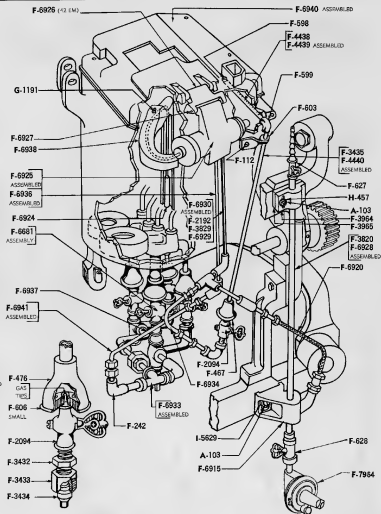
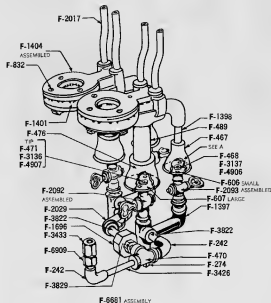
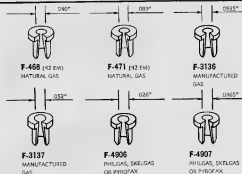
Parts Not Illustrated

F-4551 Pot jacket (42 em)
 F-4552 Pot jacket, assembled (42 em)

Please Give Model and Serial Number When Ordering



Check Parts by Referring to Text Pages.





F-8149 ASSEMBLED (30 EM)



F-3969 (30 EM)



F-1402



F-3677 (42 EM)



F-1404 ASSEMBLED



F-8136 (30 EM)



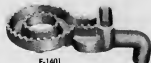
G-3398 (30 EM)

F-2017
F-8137 (30 EM)

F-3436



F-1696



F-1401



F-8124 ASSEMBLED (30 EM)



F-8122 ASSEMBLED (30 EM)

F-1398
F-8134 (30 EM)

F-469



F-470



F-242 (42 EM)

B8-148 (30 EM)
E-192 (30 EM)F-8129 (30 EM)
F-8130 (30 EM)F-467 SMALL HOLE
F-476 LARGE HOLE

F-2029 (42 EM)



F-8119 (30 EM)

F-8132 (30 EM)
F-8133 (30 EM)F-608 SMALL
F-607 LARGEF-2092 ASSEMBLED (LARGE HOLE)
F-2093 ASSEMBLED (SMALL HOLE)F-3678 ASSEMBLED (42 EM)
F-6681 ASSEMBLED (42 EM)

F-8131 (30 EM)

F-8129 (30 EM)
F-8130 (30 EM)F-608 SMALL
F-607 LARGEF-2092 ASSEMBLED (LARGE HOLE)
F-2093 ASSEMBLED (SMALL HOLE)

F-8126 (30 EM)



F-8128 (30 EM)



F-8127 (30 EM)



F-6909 (30 EM)



F-8135 (30 EM)

F-468
F-471
F-3136
F-3137
F-4906
F-4907

F-274

F-3426 (42 EM)
F-3822 (42 EM)
F-3823 (42 EM)
F-3824 (42 EM)

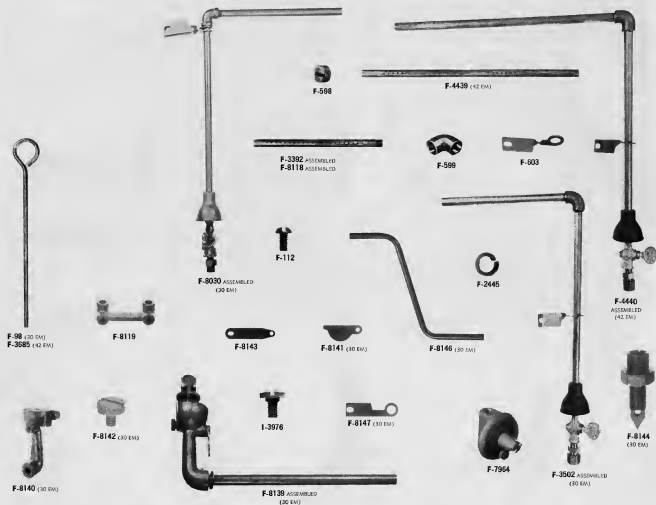
DIA. OF ORIFICE	TYPE OF GAS
.045"	NATURAL
.089"	NATURAL
.093"	MANUFACTURED
.052"	MANUFACTURED
.036"	BOTTLED
.046"	BOTTLED

BB-148 Pot gas burner air mixer tube throat screw 8-32 x 5/16"
 BB-148 Pot gas burner needle valve support screw 8-32 x 5/16"
 E- 192 Pot gas burner needle valve adjusting screw detent screw (30 em)
 F- 98 Pot gas burner bracket rod (30 em)
 F- 242 Pot gas burner elbow (42 em)
 F- 274 Pot gas burner plug
 F- 467 Pot gas burner air mixer, small (A=7/16"-36 thread)
 F- 468 Pot gas burner tip, small hole, natural gas (.040")
 F- 470 Pot gas burner connecting nipple tube tee (30 em)
 F- 471 Pot gas burner tip, large, natural gas (.089")
 F- 476 Pot gas burner air mixer, large (A=7/8"-16 thread)
 F- 489 Pot gas burner, short nipple
 F- 606 Pot gas burner air regulator, small, 1 5/8" dia.
 F- 607 Pot gas burner air regulator, large, 1 7/8" dia.
 F- 832 Pot gas burner, short, bolt, short, 5/32"-32 x 1 1/4"
 F-1397 Pot gas burner feeder
 F-1398 Pot gas burner tube, 1 5/8" long
 F-1401 Pot gas burner, short
 F-1402 Pot gas burner, short, plate
 F-1403 Pot gas burner, short, bolt, long, 5/32"-32 x 1 3/4"
 F-1404 Pot gas burner, short, assembled
 F-1696 Pot gas burner union
 F-1912 Pot gas burner, assembled (30 em)
 F-2017 Pot gas burner, short tube
 F-2029 Pot gas burner street elbow
 F-2092 Pot gas burner pet cock, large hole, regular, assembled
 F-2093 Pot gas burner pet cock, small hole, regular, assembled
 F-3136 Pot gas burner tip, large hole, regular, manufactured gas (.093")
 F-3137 Pot gas burner tip, small hole, regular, manufactured gas (.052")
 F-3426 Pot gas burner nipple, 2 1/4" long (42 em)

Ports are for All Models Unless Otherwise Specified

F-3436 Pot gas burner screen
 F-3677 Pot gas burner connecting bar (42 em)
 F-3678 Pot gas burner, assembled (42 em)
 F-3822 Pot gas burner nipple, 1 1/4" long (42 em)
 F-3823 Pot gas burner nipple, 3 1/8" long (42 em)
 F-3824 Pot gas burner nipple, 2 5/8" long (42 em)
 F-3969 Pot gas burner, short banking screw (30 em) 1/4"-24 x 3/4"
 F-4906 Pot gas burner tip, small hole (for burning Philgas, Skelgas or Pyrofax) (.026")
 F-4907 Pot gas burner tip, large hole (for burning Philgas, Skelgas or Pyrofax) (.046")
 F-6681 Pot gas burner, assembled (42 em)
 F-8119 Pot gas burner feeder (30 em)
 F-8124 Pot gas burner, assembled (30 em)
 F-8125 Pot gas burner needle valve tip body (30 em)
 F-8126 Pot gas burner needle valve support, crucible (30 em)
 F-8127 Pot gas burner needle valve support (30 em)
 F-8128 Pot gas burner needle adjusting screw detent (30 em)
 F-8129 Pot gas burner needle valve tip body cap, throat (30 em) (.065" drill)
 F-8130 Pot gas burner needle valve tip body cap, crucible (30 em) (.065" drill)
 F-8131 Pot gas burner regulator spring (30 em)
 F-8132 Pot gas burner air mixer, crucible (30 em) (A=7/8"-16)
 F-8133 Pot gas burner air mixer throat (30 em) (A=7/16"-36)
 F-8134 Pot gas burner air mixer tube, throat (30 em)
 F-8135 Pot gas burner needle, valve tip body lock nut
 F-8136 Pot gas burner, short (30 em)
 F-8137 Pot gas burner tube (30 em)
 F-8149 Pot gas burner, short, assembled (30 em)
 G-3398 Pot gas burner, short, banking screw nut (30 em)

Please Give Model and Serial Number When Ordering

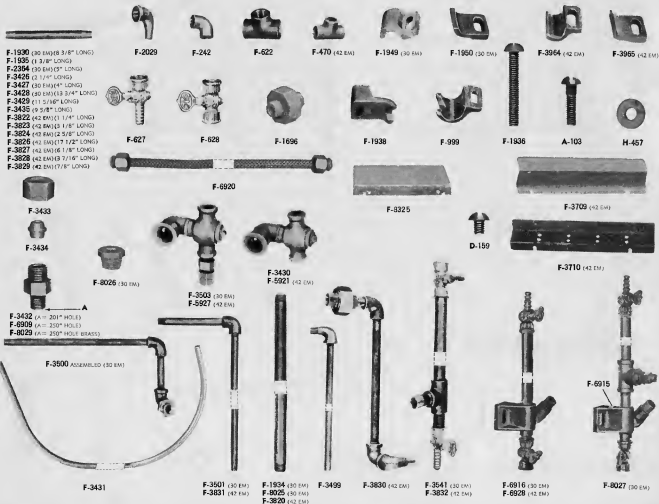


F- 98 Pot gas burner bracket rod (30 em)
F- 112 Pot mouth burner support screw 14-24 x 3/8"
F- 598 Pot mouth burner plug
F- 599 Pot mouth burner elbow
F- 603 Pot mouth burner support
F-2445 Pot mouth gas burner air regulator clamping screw lock washer (30 em)
F-3392 Pot mouth burner, assembled (30 em) (7 1/8" long)
F-3502 Pot mouth burner and support, assembled (30 em)
F-3685 Pot gas burner bracket rod (42 em)
F-4439 Pot mouth burner, assembled (42 em) (12" long)
F-4440 Pot mouth burner and support, assembled (42 em)
F-7694 Gas regulator (natural-butane-mixed gas)

Parts are for All Models Unless Otherwise Specified

F-8030 Pot mouth burner and support, assembled (30 em)
F-8118 Pot mouth burner, assembled (30 em) (8 1/8" long)
F-8119 Pot gas burner feeder (30 em)
F-8139 Pot gas burner needle, valve and mouthpiece burner, assembled (30 em)
F-8140 Pot gas burner needle valve mouthpiece burner (30 em)
F-8141 Pot mouth gas burner air regulator (30 em)
F-8142 Pot mouth gas burner air regulator clamping screw (30 em)
F-8143 Pot mouth gas burner support (30 em)
F-8144 Pot gas burner needle valve tip body (mouth) (30 em)
F-8146 Pot gas mouthpiece burner connecting tube (30 em)
F-8147 Pot gas mouthpiece burner support (30 em)
I-3976 Pot mouth gas burner support, screw (30 em)

Please Give Model and Serial Number When Ordering

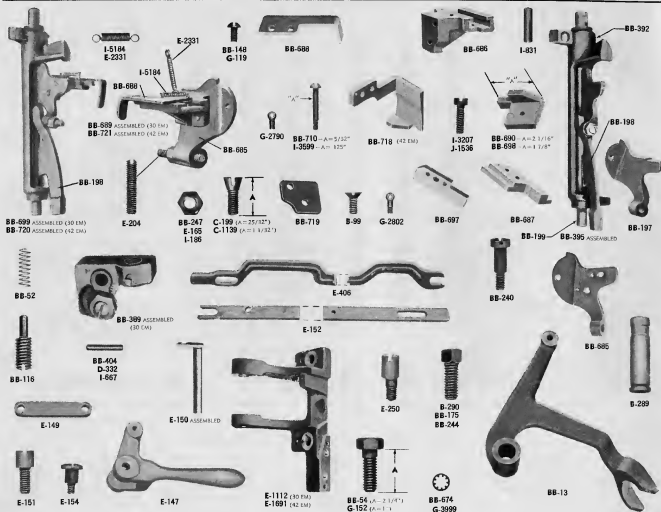


- A- 103 Pot gas burner connecting pipe tee clamp, upper, screw 14-24 x 1"
- D- 159 Pot mouth burner guard plate screw 8-32 x 3/16"
- F- 242 Thermostat feed pipe elbow
- F- 242 Pot gas burner elbow (42 cm)
- F- 470 Pot gas burner connecting nipple tee (42 cm)
- F- 622 Pot gas burner connecting pipe tee
- F- 627 Pot gas burner, auxiliary, valve
- F- 628 Pot gas burner connecting pipe valve
- F- 999 Pot gas burner connecting pipe tee clamp, lower
- F-1696 Pot gas burner union
- F-1696 Thermostat feed pipe union
- F-1930 Thermostat feed pipe nipple, 3 3/8" long (30 cm)
- F-1934 Pot gas burner connecting pipe, 18" long (30 cm)
- F-1935 Pot gas burner connecting pipe nipple, 1 3/8" long
- F-1936 Pot gas burner connecting pipe tee clamp, lower, screw 14-24 x 1 1/2" (Models 29, 30, 31, 32)
- F-1938 Pot gas burner connecting pipe tee clamp, auxiliary, lower (Models 29, 30, 31, 32)
- F-1949 Pot gas burner connecting pipe tee clamp, upper (30 cm)
- F-1950 Pot gas burner connecting pipe tee clamp, auxiliary, upper (30 cm)
- F-2029 Pot gas burner street elbow
- F-2029 Thermostat feed pipe street elbow
- F-2029 Thermostat outlet nipple street elbow
- F-2364 Pot gas burner nipple, 5" long (30 cm)
- F-3426 Pot gas burner nipple, 2 1/4" long (42 cm)
- F-3426 Thermostat feed pipe nipple, 2 1/4" long (30 cm)
- F-3427 Thermostat feed pipe nipple, 4" long (30 cm)
- F-3428 Thermostat feed pipe nipple, 13 3/4" long (30 cm)
- F-3429 Thermostat outlet nipple, 11 5/16" long
- F-3430 Pot gas burner connecting pipe swing
- F-3431 Pot mouth burner connecting tube
- F-3432 Pot mouth burner connecting tube union
- F-3433 Pot mouth burner connecting tube union nut 1/4"-24 x 9/16"
- F-3434 Pot mouth burner connecting tube union ferrule
- F-3435 Pot mouth burner feed pipe nipple, 9 5/8" long
- F-3499 Thermostat outlet nipple, 11 5/16" long, assembled

Parts are for All Models Unless Otherwise Specified

- F-3500 Thermostat feed pipe nipple, 8 3/8" long, assembled (30 cm)
- F-3501 Thermostat feed pipe nipple, 13 3/4" long, assembled (30 cm)
- F-3503 Pot gas burner connecting pipe swing, assembled (30 cm)
- F-3541 Pot gas burner connecting pipe, assembled (30 cm)
(Models 29, 30, 31, 32)
- F-3709 Pot mouth burner deflecting plate (42 cm)
- F-3710 Pot mouth burner guard plate (42 cm)
- F-3820 Pot gas burner connecting pipe, 30 7/8" long (42 cm)
- F-3822 Pot gas burner nipple, 1 1/4" long (42 cm)
- F-3823 Pot gas burner nipple, 3 1/8" long (42 cm)
- F-3824 Pot gas burner nipple, 2 5/8" long (42 cm)
- F-3826 Thermostat feed pipe nipple, 17 1/2" long (42 cm)
- F-3827 Thermostat feed pipe nipple, 6 1/8" long (42 cm)
- F-3828 Thermostat feed pipe nipple, 3 7/16" long (42 cm)
- F-3829 Thermostat feed pipe nipple, 7/8" long (42 cm)
- F-3830 Thermostat feed pipe nipple, 6 1/8" long, assembled (42 cm)
- F-3831 Thermostat feed pipe nipple, 17 1/2" long, assembled (42 cm)
- F-3832 Pot gas burner connecting pipe, assembled (42 cm)
(Models 29, 30, 31, 32)
- F-3964 Pot gas burner connecting pipe tee clamp, upper (42 cm)
- F-3965 Pot gas burner connecting pipe tee clamp, auxiliary, upper (42 cm)
- F-5921 Pot gas burner connecting pipe swing (42 cm)
- F-5927 Pot gas burner connecting pipe swing, assembled (42 cm)
- F-6909 Pot mouth burner connecting tube union
- F-6915 Pot gas burner connecting pipe bracket
- F-6916 Pot gas burner connecting pipe, assembled (30 cm)
- F-6920 Pot mouth burner connecting tube short, short flexible hose, 17" long
- F-6928 Pot gas burner connecting pipe, assembled (42 cm)
- F-8025 Pot gas burner connecting pipe, 15 1/2" long (30 cm)
- F-8026 Pot mouth burner connecting tube reducing bushing (30 cm)
- F-8027 Pot gas burner connecting pipe, assembled (30 cm)
- F-8029 Pot mouth burner connecting tube, short, flexible hose nipple
- F-8325 Pot crucible guard
- H- 457 Pot gas burner connecting tee clamp screw washer

Please Give Model and Serial Number When Ordering



- A- 130 Ejector blade controller lever segment screw 14-24 x 1/2"
- B- 99 Automatic stopping lever, upper, mold safety slide control screw
- B- 289 Automatic stop forked lever fulcrum pin
- B- 290 Automatic stop forked lever fulcrum pin set screw 3/8"-18 x 1/2"
- BB- 13 Automatic stop forked lever
- BB- 52 Vertical starting lever spring
- BB- 54 Vertical starting lever bracket screw 1/2"-12 x 2 1/4"
- BB-116 Vertical starting lever spring adjusting screw
- BB-148 Starting and stopping lever hinge pin screw 8-32 x 5/16"
- BB-175 Vertical starting lever stop screw 3/8"-16 x 1 1/2"
- BB-197 Automatic stopping lever, upper
- BB-198 Automatic stopping lever, lower
- BB-199 Vertical starting lever shaft
- BB-240 Starting and stopping lever connecting rod stud
- BB-244 Vertical starting lever shaft set screw 5/16"-18 x 3/4"
- BB-247 Vertical starting lever spring adjusting screw nut 5/8"-11 x 1 1/16"
- BB-389 Vertical starting lever bracket, assembled
- BB-392 Vertical starting lever
- BB-395 Vertical starting lever, assembled
- BB-404 Automatic stopping lever, lower, fulcrum pin 1/4" x 11/16"
- BB-674 Vertical starting lever bracket screw lock washer
- BB-685 Automatic stopping lever, upper
- BB-686 Automatic stopping lever, upper, mold safety bracket
- BB-687 Automatic stopping lever, upper, mold safety slide
- BB-688 Automatic stopping lever, upper
- BB-689 Automatic stopping lever, assembled (30 em)
- BB-690 Automatic stopping lever, upper, mold safety stop (A=2 1/16")
- BB-697 Automatic stopping lever, upper, mold safety stop
- BB-698 Automatic stopping lever, upper, mold safety stop (A=7/8")
- BB-699 Vertical starting lever, assembled (30 em)
- BB-710 Automatic stopping lever, upper, mold safety slide stop
- BB-718 Automatic stopping lever, upper, mold safety slide control, assembled (42 em) (Models 29, 30, 31, 32, 33, 35)
- BB-719 Automatic stopping lever, upper, mold safety bracket spacer (42 em) (Models 29, 30, 31, 32, 33, 35)
- BB-720 Vertical starting lever, assembled (42 em) (Models 29, 30, 31, 32, 33, 35)
- BB-721 Automatic stopping lever, assembled (42 em) (Models 29, 30, 31, 32, 33, 35)
- C- 199 Automatic stopping lever, upper, mold safety screw (A=25/32")
- C-1139 Automatic stopping lever, upper, mold safety screw (A=1 1/32")
- D- 332 Automatic stopping lever, upper, mold safety stop dowel
- E- 147 Starting and stopping lever
- E- 149 Starting and stopping lever link

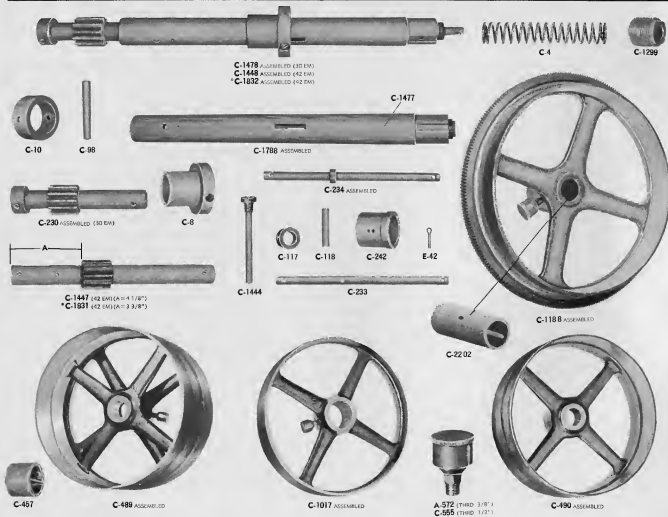
Parts are for All Models Unless Otherwise Specified

- E- 150 Starting and stopping lever hinge pin, assembled
- E- 151 Starting and stopping lever link screw
- E- 152 Starting and stopping lever connecting rod
- E- 154 Starting and stopping lever link shoulder screw
- E- 165 Vertical starting lever stop screw nut 3/8"-16 x 5/8"
- E- 165 Automatic stopping lever, upper, adjusting screw nut 3/8"-16 x 5/8"
- E- 165 Starting and stopping lever connecting rod eccentric stud nut 3/8"-16 x 5/8"
- E- 204 Automatic stopping lever, upper, adjusting screw 3/8"-16 x 1 7/16"
- E- 250 Starting and stopping lever connecting rod eccentric stud screw
- E- 406 Vise automatic stop connecting bar
- E-1112 Starting and stopping lever bracket (30 em)
- E-1691 Starting and stopping lever bracket (42 em)
- E-2331 Automatic stopping lever spring
- F-1472 Ejector blade controller lever segment (30 em)
- F-1591 Ejector blade controller lever segment (28 cicero)
- F-3727 Ejector blade controller lever segment (42 em) (Models 29, 30, 31, 32, 33, 35)
- F-4067 Ejector blade controller lever segment (40 cicero)
- G- 119 Automatic stopping lever spring screw
- G- 152 Starting and stopping lever bracket screw 3/8"-16 x 1"
- G-2790 Automatic stopping lever spring screw eye
- G-2802 Automatic stopping lever, upper, mold safety slide spring eye
- G-3999 Starting and stopping lever connecting rod eccentric rod
- G-3999 Starting and stopping lever connecting rod stud lock washer
- G-3999 Starting and stopping lever connecting rod stud lock washer (Models 29, 30, 31, 32, 33, 34)
- G-3999 Starting and stopping lever bracket screw lock washer
- I- 186 Starting and stopping lever connecting rod stud lock nut 3/8"-16 x 5/8"
- I- 667 Starting and stopping lever bracket dowel 3/16" x 7/8"
- I- 831 Automatic stopping lever, upper, mold safety bracket dowel
- I-3207 Automatic stopping lever, upper, mold safety bracket screw
- I-3599 Automatic stopping lever, upper, mold safety slide stop
- I-5184 Automatic stopping lever, upper, mold safety slide spring
- J- 511 Ejector blade controller lever segment dowel 3/16" x 1/2"
- J-1536 Automatic stopping lever, upper, mold safety stop screw

Parts Not Illustrated

- BB-694 Mold cam lever and automatic stopping lever (attachment)
- BB-729 Mold cam lever and automatic stopping lever (attachment) (42 em)
- E-1114 Starting and stopping lever, assembled (30 em)
- E-1692 Starting and stopping lever, assembled (42 em)

Please Give Model and Serial Number When Ordering



*For machines equipped with mold driving gear segment, idler.

- A- 572 Driving shaft loose pulley grease cup
- C- 4 Driving shaft clutch rod spring
- C- 8 Driving shaft clutch flange
- C- 10 Driving shaft pinion collar
- C- 98 Driving shaft pinion collar pin 5/16" x 1 7/8"
- C- 98 Driving shaft pinion pin 5/16" x 1 7/8"
- C- 117 Driving shaft clutch rod collar
- C- 118 Driving shaft clutch rod collar pin
- C- 230 Driving shaft pinion, assembled (30 em)
- C- 233 Driving shaft clutch rod
- C- 234 Driving shaft clutch rod, assembled
- C- 242 Driving shaft bushing
- C- 457 Driving shaft friction pulley bushing
- C- 489 Driving shaft pulley, assembled
- C- 490 Driving shaft friction pulley, assembled

Parts are for All Models Unless Otherwise Specified

- C- 555 Motor, geared, driving pulley grease cup
- C-1017 Driving shaft loose pulley and grease cup, assembled
- C-1188 Motor, geared, driving pulley, spiral, 256 teeth 15/16" wide, complete
- C-1299 Driving shaft clutch rod spring adjusting bushing
- C-1444 Driving shaft clutch flange screw
- C-1447 Driving shaft pinion (42 em) (A=4 1/8")
- C-1448 Driving shaft, assembled (42 em)
- C-1477 Driving shaft
- C-1478 Driving shaft, assembled (30 em)
- C-1788 Driving shaft and screw bushing, assembled
- C-1831 Driving shaft pinion (42 em) (A=3 3/8")
- C-1832 Driving shaft, assembled (42 em) (with mold driving gear segment, idler)
- C-2202 Drive shaft pulley bushing
- E- 42 Driving shaft clutch flange screw cotter pin, 1/2" long

Please Give Model and Serial Number When Ordering



C-1476



C-237 ASSEMBLED



C-1647

A-600 (39 EM)
A-690 (42 EM)

C-1478

C-23
C-209

C-232



D-141



D-5666



H-352



G-152



C-231



C-18



C-125



C-159 ASSEMBLED



BB-13



C-126



C-8



A-572



A-599



A-732



A-17

- A- 17 Driving shaft bearing screw 5/8"-11 x 1 1/4"
- A- 572 Driving shaft bearing grease cup, 1/8" pipe
- A- 599 Driving shaft bearing oil tube
- A- 600 Driving shaft bearing (30 em)
- A- 690 Driving shaft bearing (42 em)
- A- 732 Driving shaft bearing dowel 1/4" x 3/4"
- BB- 13 Automatic stop forked lever
- C- 8 Driving shaft clutch flange
- C- 18 Driving shaft friction buffer
- C- 23 Driving shaft friction link pin, short 1/4" x 15/16"
- C- 125 Driving shaft friction shoe
- C- 126 Driving shaft friction link

- C- 159 Driving shaft friction shoe, assembled
- C- 209 Driving shaft friction link pin, long 1/4" x 1 1/16"
- C- 231 Driving shaft friction buffer screw 8-32 x 5/16"
- C- 232 Driving shaft friction link collar
- C- 237 Driving shaft friction clutch, assembled
- C-1475 Driving shaft friction clutch arm key
- C-1476 Driving shaft friction clutch arm
- C-1647 Driving shaft friction pulley guard
- D- 141 Driving shaft friction link collar fulcrum screw 1/4"-24 x 1"
- D-5666 Driving shaft friction link collar fulcrum screw
- G- 152 Driving shaft friction clutch arm key screw 3/8"-16 x 1"
- H- 352 Driving shaft friction clutch arm slot washer

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



C-1400
C-1546
C-1818
C-1828
C-1975



C-991



C-1089



A-770



H-177



C-276



C-74



C-584



C-1974 (4 1/2" O.D.)



D-4679
D-4920
D-6167



E-219



C-203



D-6633 (4 1/16" O.D.)
D-6634 (4 1/2" O.D.)



H-4118



H-2075



A-56



C-1978 (4 1/2" O.D.)
C-2096 (4" O.D.)



D-1282



D-1535



C-1402 (4 1/2" O.D.)
C-2095 (4" O.D.)



A-132



D-2627 (4 1/16" O.D.)



C-870



D-2628



F-202



D-2629



H-5279



C-1660



C-1662



D-2630
D-6747



C-1661 ASSEMBLED

- A- 56 Keyboard driving pulley set screw 1/4"-24 x 5/8"
- A- 132 Intermediate distributor driving pulley set screw 1/4"-24 x 7/16"
- A- 132 Assembler driving belt pulley set screw 1/4"-24 x 7/16"
- A- 770 Intermediate shaft, r.h., end bracket dowel (Models 30, 32, 34)
- C- 74 Intermediate shaft driving pulley screw 3/8"-16 x 1 3/8"
- C- 203 Assembler entrance, upper, shift, driving gear set screw (Models 29, 30)
- C- 276 Intermediate shaft driving pulley key
- C- 276 Assembler driving belt gear key
- C- 584 Intermediate shaft driving pulley
- C- 591 Intermediate shaft bushing
- C- 870 Assembler driving pulley shaft bushing
- C-1089 Intermediate shaft collar (Models 30, 32)
- C-1400 Intermediate shaft, 22 3/8" length (Models 5, 31)
- C-1402 Intermediate distributor driving pulley
- C-1546 Intermediate shaft (42 3/8" length, A=1 1/4") (Model 32)
- C-1660 Intermediate driving belt hook
- C-1661 Intermediate driving belt, assembled
- C-1662 Intermediate driving belt hook pin
- C-1818 Intermediate shaft (42 5/8" length, A=1 1/8") (Model 30)
- C-1828 Intermediate shaft (27 1/4" length) (Model 29)
- C-1974 Intermediate distributor driving pulley (Models 29, 30)
- C-1975 Intermediate shaft (27 1/4" length, A=8 1/16") (Models 29, 30)
- C-1978 Intermediate distributor driving pulley (Models 30, 32, 34, 36)
- C-2095 Intermediate distributor driving pulley (Model 36)

- C-2096 Intermediate distributor driving pulley (Model 36)
- D-1282 Pi stacker driving pulley
- D-1535 Pi stacker driving pulley screw 8-32 x 3/16"
- D-2627 Assembler driving belt pulley (Models 5, 29, 30, 31, 32)
- D-2628 Assembler driving belt gear
- D-2629 Assembler driving belt driven gear
- D-4679 Assembler entrance, upper, shift driving gear (A=1 1/8") (Model 30) (30 teeth)
- D-4920 Assembler entrance, upper, shift driving gear (A=3/4") (Model 29) (34 teeth)
- D-6167 Assembler entrance, upper, driving gear (A=2 15/32") (Model 29, 30) (27 teeth)
- D-6633 Assembler driving belt pulley (Model 33, 34)
- D-6634 Assembler driving belt pulley (Model 35, 36)
- D-6747 Assembler driving belt driven gear shaft (Models 33, 34, 35, 36)
- E- 219 Assembler entrance, upper, driving gear retaining collar set screw (Models 29, 30, 35, 36)
- F- 202 Assembler driving belt driven gear set screw 1/4"-24 x 3/8"
- F- 202 Assembler driving belt gear set screw 1/4"-24 x 3/8"
- H- 177 Intermediate shaft collar set screw 8-32 x 1/4" (Models 30, 32)
- H-2075 Keyboard driving pulley
- H-4118 Keyboard driving pulley (Models 29, 30)
- H-5279 Keyboard driving pulley (Models 33, 36)

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



- A- 38 Assembler driving belt gear guard screw 14-24 x 3/4"
(Models 5, 29, 30, 31, 32, 33)
- A- 103 Assembler driving belt gear guard screw
- A- 112 Assembler driving belt gear guard plate screw 8-33 x 3/8"
(Models 5, 29, 30, 31, 32, 33)
- A- 115 Intermediate bracket extension dowel .375" x 7/8" (Models 32, 34, 36)
- A- 115 Intermediate bracket extension spacing block dowel .375" x 7/8"
(Model 30)
- A- 188 Intermediate bracket dowel, large .375" x 1 1/8"
- A- 325 Intermediate bracket extension dowel, upper .375" x 2 3/8"
(Model 30)
- A- 572 Intermediate shaft bearing grease cup
- A- 572 Assembler driving belt driven gear shaft grease cup
- A- 659 Intermediate bracket extension screw, lower 1/2"-12 x 1 1/4"
- A- 659 Intermediate bracket extension screw 1/2"-12 x 1 1/4" (Model 36)
- A- 659 Intermediate bracket extension screw, lower 1/2"-12 x 1 1/4"
(Models 30, 32, 34)
- A- 700 Intermediate bracket extension screw, upper 1/2"-12 x 2 3/8"
(Model 30)
- A- 720 Intermediate bracket dowel, large .375" x 1 1/8"
- A- 733 Intermediate bracket extension spring block dowel .375" x 7/8"
(Model 30)
- A- 733 Intermediate bracket extension dowel .375" x 7/8" (Model 30)
- A- 909 Intermediate bracket extension brace dowel .4375" x 1"
(Models 30, 32, 34, 36)
- A- 911 Intermediate shaft, r.h., end bracket (Models 30, 32, 34, 36)
- A- 912 Intermediate shaft, r.h., end bushing (Models 30, 32, 34, 36)
- A- 913 Intermediate shaft, r.h., end bracket, assembled
(Models 30, 32, 34, 36)
- A- 964 Intermediate bracket extension spacing block (Model 30)
- B- 295 Intermediate bracket screw, short 1/2"-12 x 1 1/2"
- B- 508 Intermediate shaft driving belt idler pulley anti-friction roll, assembled (Models 29, 30, 31, 32, 33, 34, 35, 36)
- BB-175 Intermediate shaft driving belt idler pulley support adjusting screw 3/8"-12 x 1/2" (Models 29, 30, 31, 32, 33, 34, 35, 36)
- C- 93 Intermediate shaft driving belt idler pulley support adjusting screw nut 5/8"-16 x 1/2" (Models 29, 30, 31, 32, 33, 34, 35, 36)
- C- 299 Intermediate shaft driving belt idler pulley stud nut 1/2"-12 x 7/8" (Models 29, 30, 31, 32, 33, 34, 35, 36)
- C- 299 Intermediate shaft driving belt idler pulley support stud nut 1/2"-12 x 7/8" (Models 29, 30, 31, 32, 33, 34, 35, 36)
- C- 556 Intermediate shaft driving belt idler pulley stud oil cup
(Models 29, 30, 31, 32, 33, 34, 35, 36)
- C-1620 Intermediate shaft driving belt idler pulley support bracket
(Models 29, 30, 31, 32, 33, 34, 35, 36)
- C-1621 Intermediate shaft driving belt idler pulley support
(Models 29, 30, 31, 32, 33, 34, 35, 36)
- C-1622 Intermediate shaft driving belt idler pulley support stud
(Models 29, 30, 31, 32, 33, 34, 35, 36)
- C-1623 Intermediate shaft driving belt idler pulley
(Models 29, 30, 31, 32, 33, 34, 35, 36)
- C-1624 Intermediate shaft driving belt idler pulley stud
(Models 29, 30, 31, 32, 33, 34, 35, 36)
- D- 341 Assembler driving belt gear guard screw 14-24 x 5/8" (Models 29, 30)
- D-2632 Assembler driving belt gear guard plate (Models 5, 29, 30, 31, 32, 33)
- D-2633 Assembler driving belt gear guard (two magazines) (Models 29, 30)

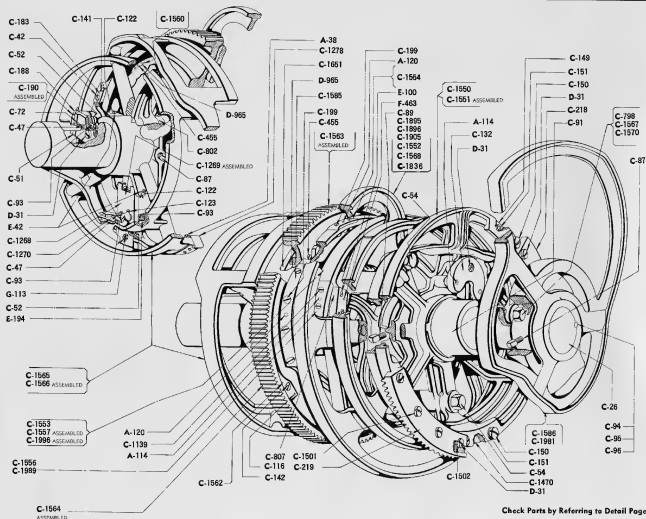
- D-4368 Assembler driving belt gear guard (Models 5, 29, 30, 31, 32)
- D-4875 Assembler driving belt driven gear shaft grease cup tube support
(Models 30, 32)
- D-5303 Assembler driving belt driven gear shaft grease cup connection,
(Models 30, 32)
- D-5303 Assembler driving belt driven gear, shaft grease cup connection,
upper (Models 30, 32)
- D-5303 Intermediate shaft bearing grease cup, r.h., connection
lower, 1 1/8" long (Model 30)
- D-5333 Assembler driving belt driven gear shaft grease cup tube
(Model 30)
- D-5334 Assembler driving belt driven gear shaft grease cup nipple
(Models 29, 35, 36)
- D-5335 Assembler driving belt driven gear shaft grease cup nipple
extension (Models 29, 35, 36)
- D-5431 Assembler driving belt driven gear shaft grease cup elbow,
lower, 1 5/16" long (Model 32)
- D-6516 Assembler driving belt gear guard (Models 29, 30)
- D-6555 Assembler driving belt gear guard (Models 30, 35, 36)
- E- 134 Intermediate bracket screw, long 1/2"-12 x 1 3/4"
- E- 922 Intermediate shaft, r.h., end bracket screw (Models 30, 32, 34, 36)
- F- 242 Assembler driving belt driven gear shaft grease cup tube elbow
(Models 30, 34, 35, 36)
- F- 463 Assembler driving belt gear guard dowel (Models 29, 30)
- F- 850 Assembler driving belt driven gear shaft grease cup, coupling
(Models 30, 32, 34, 36)
- F- 850 Intermediate shaft bearing bushing grease cup, r.h., coupling
(Models 30, 32)
- F-1930 Assembler driving belt driven gear shaft grease cup tube
(8 3/8" long) (Model 32)
- F-3426 Assembler driving belt driven gear guard shaft grease
cup tube (2 1/4" long) (Model 30)
- F-3822 Assembler driving belt driven gear shaft grease cup nipple
(1 1/4" long) (Model 32)
- F-4447 Intermediate shaft, bearing grease cup, r.h., nipple (3/4" long)
(Models 30, 32)
- G- 152 Intermediate shaft, driving belt, idler pulley support bracket
screw 3/8"-16 x 1" (Models 29, 30, 31, 32, 33, 34, 35, 36)
- I- 874 Assembler driving belt driven gear shaft, grease cup tube support
dowel 3/16" x 11/32" (Models 30, 32)
- J-6089 Intermediate bracket extension spacing block screw (Model 30)

Parts Not Illustrated

- A- 724 Intermediate bracket and bushings, assembled (Models 29, 30)
- A- 738 Intermediate bracket and bushings, assembled
- A- 738 Intermediate shaft bushing bracket and bushing, assembled
- A- 908 Intermediate bracket extension brace (Models 30, 34)
- A- 910 Intermediate bracket extension (Model 30)
- A- 917 Intermediate bracket extension brace (Models 32, 34)
- A- 918 Intermediate bracket extension (Model 32)
- A- 958 Intermediate bracket extension (Models 30, 36)
- A- 968 Intermediate bracket extension (Models 30, 36)
- A- 989 Intermediate shaft bushing bracket and bushing, assembled
(Models 29, 30, 35, 36)
- C-1625 Intermediate shaft driving belt idler pulley support
bracket, assembled

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



Check Parts by Referring to Detail Pages.

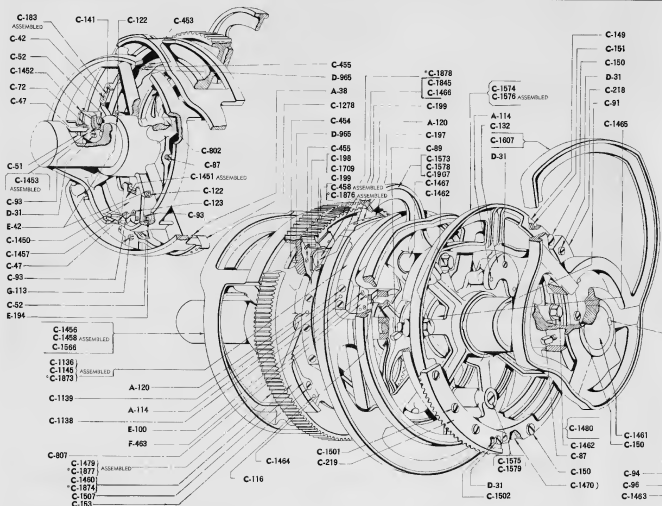
Important: When Ordering a Cam, Model and Serial Number Must Be Given. Cam Part Numbers Given Here are Merely to Be Used to Determine Correct Cam Name

- A- 38 Delivery cam shoe screw 14-24 x 3/4"
- A- 114 Pot pump cam shoe dowel 1/4" x 13/16"
- A- 114 Distributor shifter cam dowel 1/4" x 13/16"
- A- 120 Pot cam shoe, long, dowel 1/4" x 9/16"
- A- 120 Pot cam shoe, short, dowel 1/4" x 9/16"
- C- 26 Cam shaft
- C- 42 Ejector cam screw 3/8"-16 x 7/8"
- C- 47 Automatic stopping pawl adjusting screw 3/8"-16 x 1 1/2"
- C- 47 Automatic safety pawl adjusting screw 3/8"-16 x 1 1/2"
- C- 51 Automatic stopping pawl adjusting plate
- C- 52 Automatic stopping pawl spring
- C- 52 Automatic safety pawl spring
- C- 54 Cam bolt (30 em) 7 5/16" long
- C- 72 Automatic stopping pawl adjusting plate adjusting screw 3/8"-16 x 1/2"
- C- 87 First elevator cam set screw 1/2"-12 x 1"
- C- 87 Delivery and elevator transfer cam set screw 1/2"-12 x 1"
- C- 89 Pot and pump cam set screw 5/8" x 1 1/4"
- C- 91 Cam shaft collar
- C- 93 Automatic safety pawl adjusting screw nut 3/8"-16 x 1/2"
- C- 93 Automatic safety pawl stop screw nut 3/8"-16 x 1/2"
- C- 93 Automatic safety pawl buffer adjusting screw nut 3/8"-16 x 1/2"
- C- 93 Automatic stopping pawl buffer adjusting screw nut 3/8"-16 x 1/2"
- C- 94 First elevator cam key
- C- 95 Pot pump cam key
- C- 96 Delivery and elevator transfer cam key
- C- 116 Pot return cam dowel 1/4" x 11/16"
- C- 122 Automatic stopping pawl hinge pin
- C- 122 Automatic safety pawl hinge pin
- C- 123 Automatic safety pawl buffer cotter pin
- C- 132 Distributor shifter cam
- C- 141 Ejector cam dowel 1/4" x 15/16"
- C- 142 Pot return cam screw 3/8"-16 x 3/4"
- C- 149 Mold turning cam shoe, short
- C- 150 Mold turning cam shoe screw 1/4"-24 x 23/32"
- C- 151 Mold turning cam shoe screw bushing
- C- 183 Ejector cam, assembled
- C- 188 Automatic stopping pawl
- C- 190 Automatic stopping pawl, assembled
- C- 199 Pot cam shoe, long, screw 1/4"-24 x 3/4"
- C- 199 Pot cam shoe, short, screw 1/4"-24 x 3/4"
- C- 218 Mold turning segment, short
- C- 219 Mold turning segment, long
- C- 455 Mold cam shoe screw 10-32 x 7/8"
- C- 798 Cam bolt (30 em) 4 1/8" long
- C- 802 Pump cam filling piece
- C- 807 Pot pump lever latch cam (head-letter mold)
- C-1139 Pot pump cam shoe screw 1/4"-24 x 1"
- C-1268 Automatic safety pawl
- C-1269 Automatic safety pawl, assembled
- C-1270 Automatic safety pawl buffer
- C-1278 Delivery cam shoe
- C-1470 Mold turning cam shoe, long
- C-1501 Mold turning segment, long, screw, long 3/8"-16 x 2 7/32"
- C-1502 Mold turning segment, short, screw, lock washer
- C-1502 Mold turning segment, long, screw, short, lock washer
- C-1502 Ejector cam screw lock washer
- C-1502 Mold segment, long, screw, long, lock washer
- C-1550 Vise closing and mold turning cam
- C-1551 Vise closing and mold turning cam, assembled

- C-1552 Justification and second elevator cam
- C-1553 Pot and pump cam
- C-1554 Pot cam shoe, short
- C-1556 Pot pump cam shoe
- C-1557 Pot and pump cam, assembled
- C-1560 Mold cam shoe, large
- C-1562 Pot return cam
- C-1563 Mold cam and driving gear, assembled
- C-1564 Mold cam and driving gear and cams, assembled
- C-1565 Delivery and elevator transfer cam
- C-1566 Delivery and elevator transfer cam, assembled
- C-1567 Cam bolt 7 15/16" long
- C-1568 Justification and second elevator cam, 29, 30
- C-1570 Cam bolt 1 1/2" long
- C-1585 Pot cam shoe, long
- C-1586 First elevator and pot crucible vertical mouthpiece wiper cam
- C-1587 Cam shaft and cams, assembled, 5, 31, 32
- C-1588 Cam shaft and cams, assembled, 29, 30
- C-1651 Mold cam shoe, small
- C-1700 Pot cam shoe, long
- C-1885 Vise closing (second justification) and mold turning cam
- C-1886 Justification and second elevator cam, 5, 31, 32
- C-1889 Justification and second elevator cam, 29, 30, 35, 36
- C-1890 Vise closing and mold turning cam, assembled
- C-1893 Vise closing (second justification) and mold turning cam
- C-1894 Vise closing and mold turning cam, assembled
- C-1895 Justification and second cam, 5, 31, 32
- C-1896 Justification and second elevator cam, 29, 30, 35, 36
- C-1905 Justification and second elevator cam, 33, 34
- C-1906 Cam shaft and cams, assembled
- C-1981 First elevator and pot crucible vertical mouthpiece wiper cam
- C-1988 Pot pump cam shoe, short
- C-1989 Pot pump cam shoe, long
- C-1990 Pot and pump cam
- C-1996 Pot and pump cam, assembled
- C-1998 Cam shaft and cams, assembled, 33, 34
- C-1999 Cam shaft and cams, assembled, 29, 30, 35, 36
- C-2000 Cam shaft and cams, assembled, 5, 31, 32
- C-2006 Pot pump cam shoe (short)
- C-2008 Ejector cam screw
- C-2048 Delivery and ejector transfer cam
- D- 31 Mold turning segment, long, screw, short 3/8"-16 x 3/4"
- D- 31 Mold turning segment, short, screw 3/8"-16 x 3/4"
- D- 31 Distributor shifter cam screw 3/8"-16 x 3/4"
- D- 31 Automatic stopping pawl adjusting plate screw 3/8"-16 x 3/4"
- D- 965 Mold cam shoe dowel 5/32" x 1/2"
- D-3145 Delivery cam shoe screw bushing
- D-3146 Delivery cam shoe screw
- E- 42 Automatic stopping pawl hinge pin cotter pin
- E- 42 Automatic safety pawl hinge pin cotter pin
- E- 100 Pot pump lever latch cam screw 3/8"-16 x 1 3/16"
- E- 194 Automatic safety pawl buffer adjusting screw 3/8"-16 x 1 3/16"
- E- 194 Automatic safety pawl stop screw 3/8"-16 x 1 3/16"
- F- 463 Pot pump lever latch cam dowel 3/16" x 5/8"
- G- 113 Automatic safety pawl stop screw 3/8"-16 x 13/16"
- G-3999 Automatic safety pawl stop screw lock washer
- G-3999 Automatic safety pawl buffer adjusting screw lock washer
- G-3999 Automatic safety pawl adjusting screw lock washer
- J-1535 Pot pump cam shoe, long, screw

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



*For Machines Equipped with Mold Driving Gear Segment, Idler.
Important:

When Ordering a Cam, Model and Serial Number Must Be Given.
Cam Part Numbers Here Given are Merely to Be Used to Determine Correct Cam Names.

Check Parts by Referring to Text Pages.

A- 38	Delivery cam shoe screw 14-24 x 3/4"
A- 114	Pot pump cam shoe dowel 1/4 x 13/16"
A- 114	Distributor shifter cam dowel 1/4" x 13/16"
A- 120	Pot cam shoe, long, dowel 1/4" x 9/16"
A- 120	Pot cam shoe, short, dowel 1/4" x 9/16"
C- 42	Ejector cam screw 3/8"-16 x 7/8"
C- 47	Automatic stopping pawl adjusting screw 3/8"-16 x 1 1/2"
C- 51	Automatic stopping pawl adjusting plate
C- 52	Automatic stopping pawl spring
C- 52	Automatic safety pawl spring
C- 72	Automatic stopping pawl adjusting plate adjusting screw 3/8"-16 x 1/2"
C- 87	First elevator cam set screw 1/2"-12 x 1"
C- 87	Delivery and elevator transfer cam set screw 1/2"-12 x 1"
C- 89	Pot and pump cam set screw 5/8"-11 x 1 1/4"
C- 91	Cam shaft collar
C- 93	Automatic safety pawl adjusting screw nut 3/8"-16 x 1/2"
C- 93	Automatic safety pawl stop screw nut 3/8"-16 x 1/2"
C- 93	Automatic safety pawl buffer adjusting screw nut 3/8"-16 x 1/2"
C- 93	Automatic stopping pawl adjusting screw nut 3/8"-16 x 1/2"
C- 94	First elevator cam key
C- 96	Delivery and elevator transfer cam key
C- 116	Pot return cam dowel 1/4" x 11/16"
C- 122	Automatic stopping pawl hinge pin
C- 122	Automatic safety pawl hinge pin
C- 123	Automatic safety pawl buffer cotter pin
C- 132	Distributor shifter cam
C- 141	Ejector cam dowel 1/4" x 15/16"
C- 149	Mold turning cam shoe, short
C- 150	Mold turning cam shoe screw 1/4"-24 x 23/32"
C- 151	Mold turning cam shoe screw bushing
C- 153	Pot return cam screw 3/8"-16 x 21/32"
C- 183	Ejector cam, assembled
C- 197	Pot cam shoe, short
C- 198	Pot cam shoe, long
C- 199	Pot cam shoe, short, screw 1/4"-24 x 3/4"
C- 199	Pot cam shoe, long, screw 1/4"-24 x 3/4"
C- 218	Mold turning segment, short
C- 219	Mold turning segment, long
C- 453	Mold cam shoe, large
C- 454	Mold cam shoe, small
C- 455	Mold cam shoe screw 10-22 x 7/8"
C- 458	Mold cam and driving gear, assembled
C- 802	Pot pump cam filling piece
C- 807	Pot pump lever latch cam
C-1136	Pot and pump cam
C-1138	Pot pump cam shoe
C-1139	Pot pump cam shoe screw 1/4"-24 x 1"
C-1145	Pot and pump cam, assembled
C-1278	Delivery cam shoe
C-1450	Automatic safety pawl
C-1451	Automatic safety pawl, assembled
C-1452	Automatic stopping pawl
C-1453	Automatic stopping pawl, assembled
C-1456	Delivery and elevator transfer cam
C-1457	Automatic safety pawl buffer
C-1458	Delivery and elevator transfer cam, assembled
C-1460	Pot return cam sector
C-1461	Cam shaft
C-1462	Cam bolt, 11 1/2" long
C-1463	Pot and pump cam key
C-1464	Mold cam and driving gear sleeve
C-1465	Vise closing and mold turning cam sleeve
C-1466	Pot and pump cam spacing collar
C-1467	Vise closing and mold turning cam spacing collar
C-1470	Mold turning cam shoe, long
C-1479	Mold cam and driving gear and cams, assembled
C-1480	Cam bolt, 5 1/2" long
C-1501	Mold turning segment, long, screw, long 3/8"-16 x 27/32"
C-1502	Mold turning segment, short, screw lock washer
C-1502	Mold turning segment, long, screw, short, lock washer
C-1502	Ejector cam screw lock washer
C-1502	Mold turning segment, long, screw, long, lock washer
C-1502	Distributor shifter cam screw lock washer
C-1507	Pot return cam
C-1566	Delivery and elevator transfer cam, assembled
C-1573	Justification and second elevator cam
C-1574	Vise closing and mold turning cam
C-1575	Cam bolt, 4 3/8" long
C-1576	Vise closing and mold turning cam, assembled
C-1578	Justification and second elevator cam
C-1579	Cam bolt, 11 15/16" long
C-1607	First elevator and pot crucible vertical mouthpiece wiper cam
C-1609	Cam shaft and cams, assembled, 29, 30, 35
C-1615	Cam shaft and cams, assembled, 5, 31, 32
C-1709	Pot cam shoe, long (42 em)
C-1849	Pot and pump cam spacing collar
C-1873	Pot and pump cam, assembled
C-1874	Pot return cam sector
C-1875	Mold cam and driving gear
C-1876	Mold cam and driving gear, assembled
C-1877	Mold cam and driving gear and cams, assembled
C-1878	Mold cam and driving gear segment, idler
C-1881	Cam shaft and cams, assembled, 29, 30
C-1882	Cam shaft and cams, assembled, 5, 31, 32
C-1907	Justification and second elevator cam, 33
D- 31	Mold turning segment, long, screw, short 3/8"-16 x 3/4"
D- 31	Distributor shifter cam screw 3/8"-16 x 3/4"
D- 31	Automatic stopping pawl adjusting plate screw 3/8"-16 x 3/4"
D- 965	Mold cam shoe dowel 5/32" x 1/2"
E- 42	Automatic stopping pawl hinge pin cotter pin
E- 42	Automatic safety pawl hinge pin cotter pin
E- 100	Pot pump lever latch cam screw 3/8"-16 x 3/4"
E- 194	Automatic safety pawl buffer adjusting screw 3/8"-16 x 1 3/16"
F- 463	Pot pump lever latch cam dowel 3/16" x 5/8"
G- 113	Automatic safety pawl stop screw 3/8"-16 x 13/16"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



- A- 38 Delivery cam shoe screw 14-24 x 3/4"
 A- 114 Pot pump cam shoe dowel 1/4" x 13/16"
 A- 120 Pot cam shoe, long, dowel 1/4" x 9/16"
 A- 120 Pot cam shoe, short, dowel 1/4" x 9/16"
 B- 898 Pot pump lever latch cam (30 em)
 BB-148 Delivery and elevator transfer cam locating piece screw 8-32 x 5/16"
 C- 42 Ejector cam screw 3/8"-16 x 7/8"
 C- 116 Pot return cam dowel 1/4" x 11/16"
 C- 141 Ejector cam dowel 1/4" x 15/16"
 C- 142 Pot return cam screw (30 em) 3/8"-16 x 3/4"
 C- 149 Mold turning cam shoe, short
 C- 150 Mold turning cam shoe screw 1/4"-24 x 23/32"
 C- 151 Mold turning cam shoe screw bushing
 C- 153 Pot return cam screw (42 em) 3/8"-16 x 21/32"
 C- 183 Ejector cam, assembled
 C- 197 Pot cam shoe, short (42 em)
 C- 198 Pot cam shoe, long (42 em)
 C- 199 Pot cam shoe, long, screw 1/4"-24 x 3/4"
 C- 199 Pot cam shoe, short, screw 1/4"-24 x 3/4"
 C- 348 Delivery and elevator transfer cam locating piece (30 em)
 C- 453 Mold cam shoe, large (42 em)
 C- 454 Mold cam shoe, small (42 em)
 C- 455 Mold cam shoe screw 10-32 x 7/8"
 C- 807 Pot pump lever latch, cam (42 em)
 C-1138 Pot pump cam shoe
 C-1139 Pot pump cam shoe screw 1/4"-24 x 1"
 C-1278 Delivery cam shoe

- C-1442 First elevator cam shoe (42-45 point)
 C-1449 Delivery and elevator transfer cam locating piece (42 em)
 C-1470 Mold turning cam shoe, long
 C-1502 Ejector cam screw lock washer
 C-1507 Pot return cam (42 em)
 C-1554 Pot cam shoe, short (30 em)
 C-1556 Pot pump cam shoe
 C-1560 Mold cam shoe, large (30 em)
 C-1562 Pot return cam (30 em)
 C-1585 Pot cam shoe, long (30 em)
 C-1651 Mold cam shoe, small (30 em)
 C-1700 Pot cam shoe, long (30 em)
 C-1709 Pot cam shoe, long (42 em)
 C-1870 First elevator cam shoe
 C-1988 Pot pump cam shoe, short (30 em)
 C-1989 Pot pump cam shoe, long (30 em)
 C-2006 Pot pump cam shoe
 C-2008 Ejector cam screw
 D- 965 Mold cam shoe dowel 5/32" x 1/2"
 D- 714 First elevator cam shoe dowel .063" x 1/2"
 D-3145 Delivery cam shoe screw bushing 7/16"-36 x 7/32"
 D-3615 Delivery cam shoe screw washer 17/64" x 5/8" x 3/32"
 E- 100 Pot pump lever latch cam screw 3/8"-16 x 3/4"
 E- 145 First elevator cam shoe screw (42-45 point) 1/4"-24 x 1/2"
 F- 463 Pot pump lever latch cam dowel 3/16" x 5/8"
 H- 353 First elevator cam shoe screw 8-32 x 3/8"
 J-1535 Pot pump cam shoe, long, screw 10-32 x 1/2"

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



C-219



C-1502



D-31



C-1501



C-218



C-802



C-81

C-190 ASSEMBLED (30 EM)
C-1453 ASSEMBLED (42 EM)

C-72



E-194

C-188 (30 EM)
C-1452 (42 EM)

C-51



A-130



C-122



E-42



C-92



G-3909

C-1270 (30 EM)
C-1457 (42 EM)

C-123



A-572



A-14

C-1258 (30 EM)
C-1450 (42 EM)

C-47



C-93



G-113

C-1269 ASSEMBLED (30 EM)
C-1461 ASSEMBLED (42 EM)

A-180



C-87



C-89



A-730



A-731



A-3



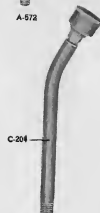
A-26



A-464



A-118

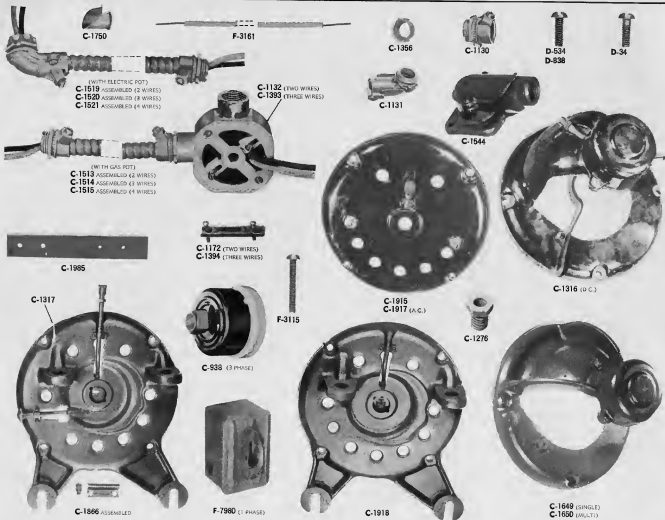
A-448
ASSEMBLED

C-204

- A- 3 Cam shaft bracket, l.h., screw 3/4"-10 x 2 3/4"
 A- 3 Cam shaft bracket, r.h., screw, long 3/4"-10 x 2 3/4"
 A- 14 Cam shaft bracket, r.h., tie rod
 A- 26 Cam shaft bracket, r.h., screw, short
 A- 118 Cam shaft bracket, r.h., cap dowel 1/4" x 7/8"
 A- 130 Cam shaft bracket, r.h., tie rod set screw 14-24 x 1/2"
 A- 180 Cam shaft bracket, r.h., cap
 A- 448 Cam shaft bracket, r.h., oil tube, assembled
 A- 464 Cam shaft bracket, r.h., cap screw 3/4"-10 x 3 1/4"
 A- 572 Cam shaft bracket, r.h., grease cup
 A- 572 Cam shaft bracket, l.h., grease cup
 A- 572 Cam shaft bracket, r.h., oil tube grease cup
 A- 730 Cam shaft bracket, r.h., dowel
 A- 730 Cam shaft bracket, l.h., dowel, back
 A- 731 Cam shaft bracket, l.h., dowel, front
 C- 47 Automatic stopping pawl adjusting screw 3/8"-16 x 1 1/2"
 C- 47 Automatic safety pawl adjusting screw 3/8"-16 x 1 1/2"
 C- 51 Automatic stopping pawl adjusting plate
 C- 52 Automatic stopping pawl spring
 C- 52 Automatic safety pawl spring
 C- 72 Automatic stopping pawl adjusting plate, adjusting screw 3/8"-18 x 1 1/2"
 C- 87 Delivery and elevator transfer cam set screw 1/2"-12 x 1"
 C- 87 First elevator cam set screw 1/2"-12 x 1"
 C- 89 Pot and pump cam set screw 5/8"-11 x 1 1/4"
 C- 91 Cam shaft collar ("D"-A=2.030", A-1=2.015", A-2=2.010", A-3=2.006", A-4=1.995", A-5=2.002")
 C- 93 Automatic safety pawl adjusting screw nut 3/8"-16 x 1 3/8"
 C- 93 Automatic safety pawl stop screw nut 3/8"-16 x 1 1/2"
 C- 93 Automatic safety pawl buffer adjusting screw nut 3/8"-16 x 1 1/2"
 C- 93 Automatic stopping pawl adjusting screw nut 3/8"-16 x 1 1/2"
 C- 122 Automatic stopping pawl hinge pin
 C- 122 Automatic safety pawl hinge pin
 C- 123 Automatic safety pawl buffer cotter pin
 C- 188 Automatic stopping pawl (30 em)
 C- 190 Automatic stopping pawl, assembled (30 em)
 C- 204 Cam shaft bracket, r.h., oil tube
 C- 218 Mold turning segment, short
 C- 219 Mold turning segment, long
 C- 802 Pump cam filling piece (Models 5, 31, 32, 33, 34)
 C-1268 Automatic safety pawl (30 em)
 C-1269 Automatic safety pawl, assembled (30 em)
 C-1270 Automatic safety pawl buffer (30 em)
 C-1450 Automatic safety pawl (42 em)
 C-1451 Automatic safety pawl, assembled (42 em)
 C-1452 Automatic stopping pawl (42 em)
 C-1453 Automatic stopping pawl, assembled (42 em)
 C-1457 Automatic safety pawl buffer (42 em)
 C-1501 Mold turning segment, long, screw, long 3/8"-16 x 27/32"
 C-1502 Mold turning segment, long, screw, long, lock washer
 C-1502 Mold turning segment, short, screw, lock washer
 C-1502 Mold turning segment, long, screw, short, lock washer
 D- 31 Mold turning segment, short, screw 3/8"-16 x 3/4"
 D- 31 Mold turning segment, long, screw, short 3/8"-16 x 3/4"
 D- 31 Automatic stopping pawl adjusting plate screw 3/8"-16 x 3/4"
 E- 42 Automatic stopping pawl hinge pin cotter pin
 E- 42 Automatic safety pawl hinge pin cotter pin
 E- 194 Automatic safety pawl buffer adjusting screw 3/8"-16 x 1 3/16"
 E- 194 Automatic safety pawl stop screw
 G- 113 Automatic safety pawl stop screw 3/8"-16 x 1 3/16"
 G-3999 Automatic safety pawl stop screw lock washer
 G-3999 Automatic safety pawl buffer adjusting screw lock washer
 G-3999 Automatic safety pawl adjusting screw lock washer

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



- C-938 Motor snap switch, three phase
 C-1130 Motor flexible steel armored cable connector, straight
 C-1131 Motor flexible steel armored cable connector, right angle
 C-1132 Motor flexible steel armored cable conduit, two pole, snap switch
 C-1172 Motor conduit switch clamp, two-four wire
 C-1316 Motor, geared, Emerson, cover, front
 C-1317 Motor, geared, Emerson, cover, back
 C-1356 Motor flexible steel armored cable connector, right angle bushing
 C-1393 Motor flexible steel armored cable conduit, three pole, snap switch
 C-1394 Motor conduit switch clamp, three wire
 C-1513 Motor flexible steel armored cable, two wire, 48" long and conduit, assembled
 C-1514 Motor flexible steel armored cable, three wire, 48" long and conduit, assembled
 C-1515 Motor flexible steel armored cable, four wire, 48" long and conduit, assembled
 C-1519 Motor flexible steel armored cable, two wire, 58 3/4" long, assembled
 C-1520 Motor flexible steel armored cable, three wire, 57 3/4" long, assembled
 C-1521 Motor flexible steel armored cable, four wire, 58 3/4" long, assembled

Parts are for All Models Unless Otherwise Specified

- C-1544 Motor conduit elbow, complete
 C-1649 Motor, geared, Emerson, A.C., cover, front, single phase
 C-1650 Motor, geared, Emerson, A.C., cover, front, multi phase
 C-1750 Flexible steel armored cable end insulator
 C-1866 Motor, geared, Emerson, cover, back, complete
 C-1915 Motor, ball bearing, geared, cover, front, D.C.
 C-1917 Motor, ball bearing, geared, cover, front, A.C.
 C-1918 Motor, ball bearing, geared, cover, back
 C-1985 Electric switch, three phase, bracket
 D-34 Motor flexible steel armored cable conduit screw 8-32 x 1/2"
 D-534 Motor conduit elbow screw 10-32 x 7/16"
 D-838 Electric switch, three phase, bracket screw
 F-3115 Pot, electric, control panel, motor switch screw 8-32 x 1/8"
 F-3161 Motor lead wire, 18" long (fuse to motor switch)
 F-7980 Motor snap switch, single phase

Parts Not Illustrated

- C-1192 Motor, ball bearing, geared, A.C., 50-60 cycle, 110 volts, complete
 C-1193 Motor, ball bearing, geared, A.C., 50-60 cycle, 220 volts, complete
 C-1221 Motor, ball bearing, geared, D.C., 115 volts, complete
 C-1223 Motor, ball bearing, geared, D.C., 220 volts, complete
 C-1242 Motor, ball bearing, geared, A.C., 25-30-40 cycle, 110 volts, complete
 C-1243 Motor, ball bearing, geared, A.C., 25-30-40 cycle, 220 volts, complete

Please Give Model and Serial Number When Ordering

PART NO.	TEETH	LINES PER MIN.
C-1234	19	5 2/3
C-1235	20	6
C-1209	21	6 1/3
C-1189	22	6 2/3
C-1986	23	7
C-1304	24	7 1/3
C-2064	25	7 1/2
C-1264	26	7 3/4
C-1497	28	8 1/2



C-1303 (A.C. SINGLE PHASE)
C-1320 (A.C. MULTI PHASE)
C-1321 (D.C.)



C-556



C-1324



C-1323



F-3681



I-734

C-1325



F-3115



C-1408



C-1369



C-1434



C-1440



C-1439



C-1135



C-836



C-1435

A-3
A-464
BB-54

F-3050

C-1330



C-1331



C-1004



C-1399



C-1212



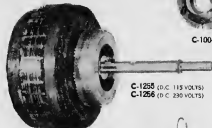
C-1333



C-1003



C-1322

C-1255 (D.C. 115 VOLTS)
C-1256 (D.C. 230 VOLTS)

C-1252



C-1213



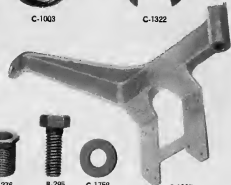
C-726



C-1006



G-107



C-1997

C-1311
(ONE SET OF FIELD COILS
(EIVE VOLTAGE))

C-1326

C-1309 (D.H.)
C-1310 (L.H.)

C-1332



C-1005



C-1276

B-295
G-152

C-1758

A- 3 Motor, geared, bracket screw (for Cline and General Electric motor)

A- 464 Motor, geared, fastening screw, long 3/4"-10 x 3 1/4"

B- 295 Motor, geared, fastening screw, short 1/2"-12 x 1 1/2"

BB- 54 Motor, geared, fastening screw, short (through brace) 1/2"-12 x 2 1/4"

C- 556 Motor armature hub oil cup

C- 556 Motor armature shaft bearing oil cup

C- 726 Motor, geared, armature shaft bearing oil ring cotter pin

C- 836 Motor, geared, driving pulley pinion key

C-1003 Motor, geared, A.C., automatic cut out

C-1004 Motor, geared, A.C., automatic cut out contact shell

C-1005 Motor, geared, bearing, front

C-1006 Motor, geared, bearing, back, assembled

C-1135 Motor, cover fastening screw 5/16"-18 x 1 1/4"

C-1171 Motor, geared, A.C., automatic cut out fastening screw

C-1189 Motor, geared, driving pulley pinion, spiral, 22 teeth, width of face 1 1/16"

C-1209 Motor, geared, driving pulley pinion, spiral, 21 teeth, width of face 1 1/16"

C-1212 Motor, geared, A.C., automatic cut out spring

C-1213 Motor, geared, bearing, back, oil ring

C-1234 Motor, geared, driving pulley pinion, spiral, 19 teeth, width of face 1 1/16"

C-1235 Motor, geared, driving pulley pinion, spiral, 20 teeth, width of face 1 1/16"

C-1252 Motor, geared, carbon brush, D.C.

C-1255 Motor, geared, Emerson, D.C., armature and shaft, complete, 115 volts

C-1256 Motor, geared, Emerson, D.C., armature and shaft, complete, 230 volts

C-1264 Motor, geared, driving pulley pinion, spiral, 26 teeth, width of face 1 1/16"

C-1276 Motor, geared, adjusting screw 1/16"-16 x 1 3/16"

C-1303 Motor, geared, Emerson, A.C., armature shaft, single phase

C-1304 Motor, geared, driving pulley pinion, spiral, 24 teeth, width of face 1 1/16"

C-1309 Motor, geared, Emerson, D.C., brush holder, r.h., complete

C-1310 Motor, geared, Emerson, D.C., brush holder, l.h., complete

C-1311 Motor, geared, Emerson, D.C., field coil

Parts are for All Models Unless Otherwise Specified

C-1320 Motor, geared, Emerson, A.C., armature shaft multi phase

C-1321 Motor, geared, Emerson, D.C., armature shaft

C-1322 Motor, geared, Emerson, A.C., automatic cut out cover

C-1323 Motor, geared, Emerson, overflow oil drain tube

C-1324 Motor, geared, Emerson, overflow oil drain

C-1325 Motor, geared, Emerson, long bent oil tube

C-1326 Motor, geared, Emerson, D.C., commutator, 1/4" I.D.

C-1330 Motor, geared, Emerson, A.C., insulating bushing, 5/6" I.D.

C-1331 Motor, geared, Emerson, D.C., insulating bushing

C-1332 Motor, geared, Emerson, wire cleat

C-1333 Motor, geared, Emerson, A.C., automatic cut out leads

C-1369 Motor, geared, Emerson, armature end play washer

C-1399 Motor, geared, driving pulley pinion pin .143" x 1 1/8"

C-1408 Motor, geared, driving pulley gear guard brace

C-1434 Motor, geared, driving pulley gear guard, large

C-1435 Motor, geared, driving pulley gear guard, small

C-1439 Motor, geared, Emerson, driving pulley, pinion collar

C-1440 Motor, geared, Emerson, driving pulley, pinion collar set screw 1/4"-20 x 1/4"

C-1497 Motor, geared, driving pulley pinion, spiral, 28 teeth, width of face 1 1/16"

C-1758 Motor, geared, bracket screw washer (for Cline and General Electric motor)

C-1986 Motor, geared, driving pulley pinion, spiral, 23 teeth, width of face 1 1/16"

C-1997 Motor, geared, bracket (for Cline and General Electric motor)

C-2064 Motor, geared, driving pulley pinion, spiral, 25 teeth, width of face 1 1/16"

F-3050 Motor, geared, driving pulley gear guard, large, screw 1/4"-20 x 5/8"

F-3115 Pot, electric control panel motor switch screw 6-32 x 1 1/8"

F-3681 Motor, geared, fastening screw washer (for Cline and General Electric motor)

G- 107 Motor, geared, fastening screw washer

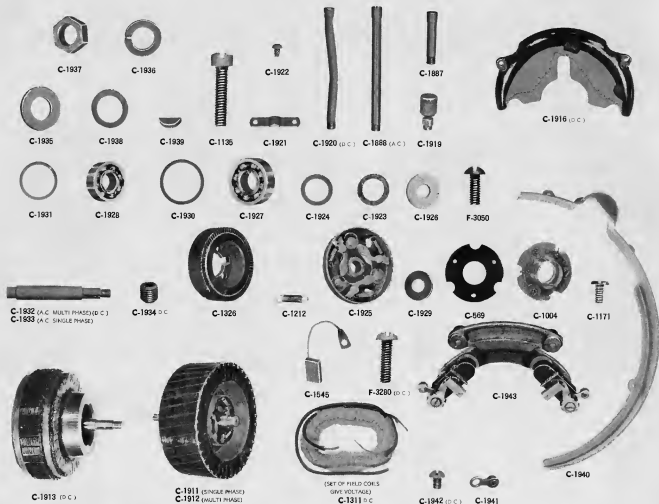
G- 152 Motor, geared, driving pulley gear guard brace screw 3/8"-16 x 1"

I- 734 Motor, geared, fastening screw (for Cline and General Electric motor)

Parts Not Illustrated

C-2005 Motor, geared, bracket attachment (for Cline and General Electric motor)

Please Give Model and Serial Number When Ordering



C-569 Motor, ball bearing, geared, cut out washer
 C-1004 Motor, ball bearing, geared, automatic cut out contact shell
 C-1135 Motor, ball bearing, geared, cover screw 5/16"-18 x 1 1/4"
 C-1171 Motor, ball bearing, geared, cut out shell screw
 C-1212 Motor, ball bearing, geared, automatic cut out spring
 C-1311 Motor, ball bearing, geared, D.C., field coil
 C-1326 Motor, ball bearing, geared, commutator, D.C.
 C-1545 Motor, ball bearing, geared, brush
 C-1887 Motor, ball bearing, geared, cover, front, grease tube
 C-1888 Motor, ball bearing, geared, cover, back, grease tube, A.C.
 C-1911 Motor, ball bearing, geared, armature (complete with shaft and core cut out) single phase
 C-1912 Motor, ball bearing, geared, armature (complete with shaft and core) three phase
 C-1913 Motor, ball bearing, geared, armature (complete with shaft and commutator) D.C.
 C-1916 Motor, ball bearing, geared, cover, front, shutter, D.C.
 C-1919 Motor, ball bearing, geared, grease cup
 C-1920 Motor, ball bearing, geared, cover, back, grease tube, D.C.
 C-1921 Motor, ball bearing, geared, grease tube cleat
 C-1922 Motor, ball bearing, geared, grease tube cleat rivet
 C-1923 Motor, ball bearing, geared, cover felt washer
 C-1924 Motor, ball bearing, cover felt washer retainer
 C-1925 Motor, ball bearing, geared, automatic cut out, single phase
 C-1926 Motor, ball bearing, geared, cut out insulator bushing, single phase
 C-1927 Motor, ball bearing, geared, shaft ball bearing, front, No. 204T

Parts are for All Models Unless Otherwise Specified

C-1928 Motor, ball bearing, geared, shaft ball bearing, back, No. 203T
 C-1929 Motor, ball bearing, geared, thrust washer
 C-1930 Motor, ball bearing, geared, end play washer 1 9/16" x 1 27/32" x .010" thick
 C-1931 Motor, ball bearing, geared, end play washer 1 5/16" x 1 9/16" x .010" thick
 C-1932 Motor, ball bearing, geared, shaft, three phase and D.C.
 C-1933 Motor, ball bearing, geared, shaft, single phase
 C-1934 Motor, ball bearing, geared, shaft armature set screw
 C-1935 Motor, ball bearing, geared, shaft washer
 C-1936 Motor, ball bearing, geared, shaft lock washer
 C-1937 Motor, ball bearing, geared, shaft nut
 C-1938 Motor, ball bearing, geared, pinion washer
 C-1939 Motor, ball bearing, geared, pinion key
 C-1940 Motor, ball bearing, geared, guard
 C-1941 Motor, ball bearing, geared, wire terminal, D.C.
 C-1942 Motor, ball bearing, geared, wire terminal screw, D.C.
 C-1943 Motor, ball bearing, geared, brush holder sector and brush holders (complete without brushes)
 F-3050 Motor, ball bearing, geared, guard screw 1-4"-20 x 5/8"
 F-3050 Motor, ball bearing, geared, commutator screw, D.C. 1/4"-20 x 5/8"
 F-3050 Motor, ball bearing, geared, commutator shutter screw, D.C. 1/4"-20 x 5/8"
 F-3280 Motor, ball bearing, geared, brush holder sector screw, D.C. 1/4"-20 x 7/8"

Please Give Model and Serial Number When Ordering

A- 116 Jack shaft nut 1/2"-12 x 7/8" x 1/2"
 A- 572 Jack shaft grease cup 1/8" pipe thread
 BB-148 Belt guard screw 8-32 x 5/16"
 BB-148 Motor bracket shield mounting screw 8-32 x 5/16"
 BB-748 First elevator and ejector shaft 1 1/4" x 39 1/4"
 BB-749 First elevator and ejector shaft 1 1/4" x 44 27/32"
 C- 555 Grease cup
 C-1502 Lock washer 3/8" x 9/16" x 5/64"
 C-1502 Motor bracket adjusting screw lock washer 3/8" x 9/16" x 5/64"
 C-1718 Lock washer .509" x .851" x .125"
 C-2029 Ball bearing
 C-2033 Pulley spacer 11/16" x 1" x 1/8"
 C-2034 Ball bearing retainer
 C-2106 Ball bearing spacer 15/16" O.D. x 1.305"
 C-2108 Pulley key 3/16" x 3/16" x 1 3/16"
 C-2110 Pulley spacer 13/16" x 1 1/4" x 5/16"
 C-2131 Driven pulley (1725 R.P.M.)
 C-2132 Drive pulley
 C-2135 Jack shaft
 C-2136 Pump pulley spacer 1 1/16" O.D. x 1 1/4"
 C-2137 Pulley key 3/16" x 3/16" x 1 1/8"
 C-2138 Mounting hub
 C-2139 Jack shaft hub
 C-2143 Belt guard, assembled
 C-2144 Plate
 C-2145 Extension

Parts are for All Models Unless Otherwise Specified

C-2151 Motor bracket adjusting screw
 C-2152 Motor bracket adjusting screw lug (A=5/8" dia.)
 C-2153 Motor bracket adjusting screw, assembled
 C-2154 Retaining ring
 C-2185 Jack shaft driven pulley (1425 R.P.M.) (use with 25 or 50 cycle motor)
 C-2195 Bracket support adjusting eyebolt
 C-2196 Adjusting eyebolt and blower support bracket
 D- 107 Adjusting screw washer 13/32" x 3/4" x 1/8"
 D- 168 Retaining screw
 E- 90 Bracket support adjusting eyebolt mounting screw
 E- 184 Motor bracket adjusting screw fulcrum pin
 E-3148 Bracket retainer collar
 F- 244 Mounting hub screw 3/8"-18 x 1 1/2" x 1"
 F- 244 Plate screw 3/8"-16 x 1 1/2" x 1"
 F- 860 Retainer collar set screw 1/4"-24 x 5/16"
 G- 107 Jack shaft washer .510" x 15/16" x 1/8"
 G- 152 Jack shaft hub screw 3/8"-16 x 1" x 1"
 G-1194 Adjusting eyebolt mounting screw
 G-2043 Bracket support adjusting eyebolt mounting lug (A=3/8" dia.)
 I- 186 Adjusting screw nut 3/8"-16 x 5/8" x 1/4"
 I- 186 Bracket support adjusting eyebolt mounting screw nut

Parts Not Illustrated

C-2156 Motor bracket, assembled

Please Give Model and Serial Number When Ordering

- A-1001 Step (upper)
 BB-563 Motor mounting screw 5/16"-18 x 5/8"
 C- 555 Grease cup
 C-1502 Cam mounting screw lock washer 3/8" x 9/16" x 5/8"
 C-1647 Pulley guard
 C-2043 Step (upper) brace
 C-2046 Motor, A.C. (specify electrical characteristic and R.P.M.)
 C-2072 Motor cable (single phase)
 C-2074 Motor cable (3 phase)
 C-2075 Motor switch (3 phase)
 C-2080 Motor, D.C. (specify voltage and R.P.M.)
 C-2127 Jack shaft belt (64" inside dia.)
 C-2128 Motor drive belt (48" inside dia.)
 C-2129 Motor drive belt (48" inside dia.)
 C-2130 Drive shaft pulley
 C-2132 Motor drive pulley (5/8" hole, 8 2/3 lines per min.)
 C-2144 Plate
 C-2148 Step (upper) drive shaft pulley guard
 C-2157 Motor drive belt (61" inside dia.)
 C-2158 Motor drive pulley (5/8" hole, 8 lines per min.)
 C-2160 Motor drive pulley (5/8" hole, 10 lines per min.)
 C-2162 Motor drive pulley (5/8" hole, 12 lines per min.)
 C-2163 Motor drive pulley (3/4" hole, 6 2/3 lines per min.)
 C-2164 Motor drive pulley (3/4" hole, 8 lines per min.)
 C-2166 Motor drive pulley (3/4" hole, 10 lines per min.)
 C-2168 Motor drive pulley (3/4" hole, 12 lines per min.)
 C-2169 Drive shaft pulley, assembled
 C-2170 Motor adjusting cam
 C-2171 Motor adjusting screw
 C-2177 Motor drive variable speed pulley (5/8" hole)

- C-2178 Motor drive variable speed pulley (3/4" hole)
 C-2184 Motor adapter plate
 C-2186 Motor drive belt (48" inside dia.)
 C-2197 Jack shaft drive belt (61" inside dia.) (for Models 9 and 24)
 C-2202 Drive shaft pulley bushing
 C-2204 Motor drive pulley (3/4" hole, 9 lines per min.)
 C-2205 Motor drive pulley (5/8" hole, 9 lines per min.)
 C-2206 Motor drive pulley (3/4" hole, 11 lines per min.)
 C-2207 Motor drive pulley (5/8" hole, 11 lines per min.)
 C-2210 Adapter plate strap
 C-2211 Motor, mounting screw spring 1/2" x 9/16"
 C-2212 Adapter plate screw (V-belt drive) 1/4"-20 x 1"
 C-2213 Adapter plate, assembled
 D- 534 Switch mounting screw 10-32 x 7/16"
 D-1889 Variable speed pulley adjusting cam screw
 E- 738 Step guard screw 5/16"-18 x 7/8"
 E-1889 Variable speed pulley adjusting cam screw spring 1/2" x 3/4"
 F- 58 Air cooled mold blower housing cover and motor bracket mounting screw 1/2"-12 x 1/8"
 F- 58 Step brace screw 1/2"-12 x 7/8"
 F-3145 Pot (electrical) control panel cabinet support bracket
 F-7466 Air cooled mold blower housing cover and motor bracket (for 50 and 60 cycle) (A=1 1/4" dia.)
 F-7629 Step brace screw 3/8"-16 x 9/16"
 F-7727 Air cooled mold blower housing cover and motor bracket (for 25 cycle) (A=1 13/16" dia.)
 F-7980 Motor switch (single phase)
 H- 352 Motor mounting screw washer 13/32" x 3/4" x 1/16"
 I-4881 Motor mounting washer 21/64" x 3/4" x 1/16"
 J- 511 Adapter plate dowel

SPEED

Motor Pulley	Shaft Hole	Lines Per Minute	O.-Dia.	1725 R.P.M. Belt	1425 R.P.M. Belt
C-2132	.625"	6%	2.750"	*C-2129	C-2186
C-2158	.625"	8	3.300"	C-2128	C-2186
C-2205	.625"	9	4.200"	C-2128	C-2186
C-2160	.625"	10	4.000"	C-2128	C-2129
C-2207	.625"	11	4.300"	*C-2157	C-2129
C-2162	.625"	12	5.200"	C-2157	C-2129
C-2163	.750"	6%	2.750"	C-2129	C-2186
C-2164	.750"	8	3.300"	C-2128	C-2186
C-2204	.750"	9	4.200"	C-2128	C-2186
C-2166	.750"	10	4.000"	C-2128	C-2129
C-2206	.750"	11	4.300"	C-2157	C-2129
C-2168	.750"	12	5.200"	C-2157	C-2129

*For motors with adapter plate C-2184, use C-2128 Belt.

VARIABLE SPEED

C-2177	.625"	C-2128	C-2129
C-2178	.750"	C-2128	C-2129

Parts are for All Models Unless Otherwise Specified

Please Give Model and Serial Number When Ordering



Table 1



Part No.	Dia. & Thread		D	E
	A	B		
A-3.....	$\frac{3}{16}$ x10	2 $\frac{1}{2}$	1 $\frac{1}{2}$	1
A-7.....	$\frac{1}{2}$ x12	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$
A-17.....	$\frac{1}{2}$ x11	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$
A-26.....	$\frac{1}{2}$ x10	2 $\frac{1}{4}$	1 $\frac{1}{2}$	1
A-133.....	$\frac{3}{8}$ x10	3 $\frac{1}{2}$	1 $\frac{1}{2}$	1
A-404.....	$\frac{3}{8}$ x10	3 $\frac{1}{2}$	1 $\frac{1}{2}$	1
A-622.....	$\frac{1}{2}$ x12	4 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$
A-646.....	$\frac{3}{8}$ x11	4 $\frac{1}{2}$	2 $\frac{1}{4}$	$\frac{3}{4}$
A-659.....	$\frac{1}{2}$ x12	1 $\frac{1}{2}$	1	$\frac{3}{4}$
A-691.....	$\frac{3}{8}$ x10	5 $\frac{1}{2}$	1	1
A-692.....	$\frac{3}{8}$ x10	4 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$
A-700.....	$\frac{3}{8}$ x12	2 $\frac{1}{2}$	2 $\frac{1}{2}$	$\frac{3}{4}$
A-880.....	$\frac{3}{8}$ x10	2 $\frac{1}{2}$	1 $\frac{1}{2}$	1
B-235.....	$\frac{1}{2}$ x12	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$
BB-123.....	$\frac{1}{2}$ x11	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$
BB-220.....	10x28	1	$\frac{3}{4}$	$\frac{3}{4}$
BB-600.....	8x32	1 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$
C-486.....	$\frac{3}{8}$ x16	2 $\frac{1}{2}$	2 $\frac{1}{2}$	$\frac{3}{4}$
D-707.....	$\frac{3}{8}$ x16	1	1	$\frac{3}{4}$

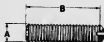
Part No.	Thread Dia. &		C	D	E
	A	B			
E-90.....	$\frac{3}{8}$ x16	1 $\frac{1}{2}$	1	$\frac{3}{4}$	$\frac{3}{4}$
E-134.....	$\frac{1}{2}$ x12	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$
E-874.....	$\frac{1}{2}$ x12	2	1	$\frac{3}{4}$	$\frac{3}{4}$
E-2616.....	$\frac{1}{2}$ x24	1	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
E-3120.....	10x32	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$
F-16.....	$\frac{1}{2}$ x24	2 $\frac{1}{4}$	1 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$
F-58.....	$\frac{1}{2}$ x12	1	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
F-244.....	$\frac{3}{8}$ x16	1 $\frac{1}{2}$	1	$\frac{3}{4}$	$\frac{3}{4}$
F-258.....	$\frac{1}{2}$ x24	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
F-689.....	$\frac{1}{2}$ x24	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
F-719.....	$\frac{1}{2}$ x24	1 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
F-810.....	$\frac{1}{2}$ x24	1 $\frac{1}{2}$	1	$\frac{3}{4}$	$\frac{3}{4}$
F-4604.....	14x24	1	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
F-6965.....	$\frac{1}{2}$ x24	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$
F-7214.....	$\frac{1}{2}$ x20	1 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
F-7865.....	$\frac{1}{2}$ x12	1	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
G-152.....	$\frac{3}{8}$ x16	1	1	$\frac{3}{4}$	$\frac{3}{4}$
I-6869.....	$\frac{1}{2}$ x12	3 $\frac{1}{2}$	2 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$

Table 2



Part No.	Dia. & Thread				
	A	B	C	D	E
A-110.....	$\frac{1}{8}$ x16	1	1	$\frac{3}{8}$	$\frac{3}{8}$
B-85.....	$\frac{1}{8}$ x16	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{3}{8}$
B-210.....	$\frac{1}{4}$ x20	1	1	$\frac{3}{8}$	$\frac{3}{8}$
B-290.....	$\frac{1}{4}$ x16	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{3}{8}$
BB-28.....	$\frac{1}{8}$ x11	$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$
BB-176.....	$\frac{1}{8}$ x16	$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$
BB-244.....	$\frac{1}{8}$ x18	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{3}{8}$
C-87.....	$\frac{1}{8}$ x12	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
C-89.....	$\frac{1}{8}$ x11	$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{3}{8}$	$\frac{3}{8}$
D-1412.....	$\frac{1}{4}$ x20	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{3}{8}$
E-4427.....	$\frac{1}{4}$ x18	$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$
F-31.....	$\frac{1}{8}$ x20	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
F-248.....	$\frac{1}{8}$ x18	$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$
F-4544.....	$\frac{1}{8}$ x16	$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$

Table 3



Part No.	Dia. & Thread	
	A	B
B-236.....	$\frac{1}{4}$ x24	$1\frac{1}{4}$
C-47.....	$\frac{1}{8}$ x16	$1\frac{1}{2}$
D-99.....	8x32	$\frac{3}{4}$
D-3042.....	10x32	$\frac{3}{4}$
E-15.....	$\frac{1}{8}$ x12	$\frac{1}{2}$
E-194.....	$\frac{1}{8}$ x16	$1\frac{1}{2}$
E-204.....	$\frac{1}{8}$ x16	$1\frac{1}{2}$
E-219.....	10x32	$\frac{3}{4}$
E-1004.....	14x24	$\frac{1}{2}$
E-2142.....	$\frac{1}{8}$ x32	$\frac{1}{2}$
E-2354.....	310x32	$\frac{1}{2}$
E-2355.....	310x32	$\frac{1}{2}$
E-2356.....	310x32	$\frac{1}{2}$
E-2357.....	310x32	$\frac{1}{2}$

Part No.	Dia. & Thread	
	A	B
F-14.....	$\frac{1}{4}$ x24	$\frac{1}{2}$
F-584.....	$\frac{1}{4}$ x24	$\frac{1}{2}$
F-860.....	$\frac{1}{4}$ x24	$\frac{1}{2}$
F-3668.....	$\frac{1}{4}$ x24	$\frac{1}{2}$
F-6678.....	$\frac{1}{4}$ x24	$\frac{1}{2}$
F-6679.....	$\frac{1}{4}$ x24	$\frac{1}{2}$
G-113.....	$\frac{1}{8}$ x16	$\frac{1}{2}$
G-156.....	8x32	$\frac{1}{2}$
G-415.....	6x48	$\frac{1}{2}$
G-739.....	8x32	$\frac{1}{2}$
G-910.....	$\frac{1}{4}$ x24	$1\frac{1}{2}$
G-932.....	8x32	$\frac{1}{2}$
I-2743.....	10x32	$\frac{1}{2}$
J-182.....	4x48	$\frac{1}{2}$
J-6560.....	5x40	$\frac{1}{2}$

Table 4



Part No.	Dia. & Thread		
	A	B	C
B-774.....	$\frac{1}{4}$ x24	$1\frac{1}{2}$	$\frac{3}{8}$
D-1497.....	10x32	$1\frac{1}{2}$	$\frac{3}{8}$
D-1619.....	$\frac{1}{4}$ x24	$1\frac{1}{2}$	$\frac{3}{8}$
D-1752.....	4x48	200	.122
G-126.....	$\frac{1}{4}$ x24	$\frac{3}{4}$	$\frac{1}{4}$
I-1493.....	10x32	$\frac{3}{4}$	$\frac{1}{4}$

Table 5



Part No.	Dis. & Thread	B	C
A-56.....	1/4x24	5/8	5/8
A-182.....	1/4x24	1 1/8	1 1/8
B-209.....	1/4x24	1 1/8	1 1/8
B-739.....	1/4x24	1 1/8	1 1/8
C-74.....	3/8x16	1 3/8	1 1/8
D-1535.....	8x32	1 3/8	1 3/8
E-429.....	1/2x12	1 1/8	1 1/8
F-309.....	1/4x24	3/4	3/4
F-7163.....	1/4x18	3/4	3/4
H-144.....	8x32	1 1/8	1 1/8
H-177.....	8x32	1 1/8	1 1/8

Table 6



Part No.	Dis. & Thread	B	C	D	E
A-38.....	1/4x24	5/8	5/8	1 1/8	1 1/8
A-103.....	1/4x24	1 1/8	1 1/8	1 1/8	1 1/8
A-112.....	8x32	3/4	3/4	1 1/8	1 1/8
A-130.....	1/4x24	3/4	3/4	1 1/8	1 1/8
B-96.....	4x48	3/4	3/4	1 1/8	1 1/8
B-217.....	8x32	3/4	3/4	1 1/8	1 1/8
BB-148.....	8x32	1 1/8	1 1/8	1 1/8	1 1/8
BB-691.....	10x32	1 1/8	1 1/8	1 1/8	1 1/8
D-159.....	8x32	1 1/8	1 1/8	1 1/8	1 1/8
D-326.....	8x32	1 1/8	1 1/8	1 1/8	1 1/8
D-341.....	1/4x24	1 1/8	1 1/8	1 1/8	1 1/8
D-556.....	4x48	1 1/8	1 1/8	1 1/8	1 1/8
D-534.....	10x32	1 1/8	1 1/8	1 1/8	1 1/8
D-713.....	4x48	1 1/8	1 1/8	1 1/8	1 1/8
D-838.....	10x32	1 1/8	1 1/8	1 1/8	1 1/8
D-868.....	10x32	1 1/8	1 1/8	1 1/8	1 1/8
D-971.....	8x32	1 1/8	1 1/8	1 1/8	1 1/8
D-978.....	10x32	1 1/8	1 1/8	1 1/8	1 1/8
D-1402.....	8x32	1 1/8	1 1/8	1 1/8	1 1/8
D-4883.....	8x32	1 1/8	1 1/8	1 1/8	1 1/8
D-5588.....	4x48	1 1/8	1 1/8	1 1/8	1 1/8
E-192.....	4x48	1 1/8	1 1/8	1 1/8	1 1/8
E-2062.....	4x48	1 1/8	1 1/8	1 1/8	1 1/8

Part No.	Dis. & Thread	B	C	D	E
F-112.....	1/4x24	3/4	3/4	1 1/8	1 1/8
F-267.....	6x48	1 1/8	1 1/8	1 1/8	1 1/8
F-568.....	4x48	1 1/8	1 1/8	1 1/8	1 1/8
F-832.....	1/4x32	1 1/8	1 1/8	1 1/8	1 1/8
F-1403.....	1/4x32	1 1/8	1 1/8	1 1/8	1 1/8
F-1936.....	1/4x24	1 1/8	1 1/8	1 1/8	1 1/8
F-2467.....	10x24	1 1/8	1 1/8	1 1/8	1 1/8
F-2478.....	6x32	1 1/8	1 1/8	1 1/8	1 1/8
F-2534.....	10x24	1 1/8	1 1/8	1 1/8	1 1/8
F-3050.....	1/4x30	1 1/8	1 1/8	1 1/8	1 1/8
F-3115.....	8x32	1 1/8	1 1/8	1 1/8	1 1/8
F-3280.....	1/4x30	1 1/8	1 1/8	1 1/8	1 1/8
F-7182.....	8x32	1 1/8	1 1/8	1 1/8	1 1/8
G-119.....	6x48	1 1/8	1 1/8	1 1/8	1 1/8
G-121.....	6x48	1 1/8	1 1/8	1 1/8	1 1/8
H-132.....	8x32	1 1/8	1 1/8	1 1/8	1 1/8
H-1138.....	5x40	1 1/8	1 1/8	1 1/8	1 1/8
I-1981.....	6x48	1 1/8	1 1/8	1 1/8	1 1/8
I-3698.....	5x40	1 1/8	1 1/8	1 1/8	1 1/8
J-223.....	10x32	1 1/8	1 1/8	1 1/8	1 1/8
J-1245.....	1/4x24	1 1/8	1 1/8	1 1/8	1 1/8

Table 7



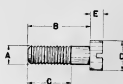
Part No.	Dia. & Thread	A	B	C	D	E
A-864.....	4x48	3/4	3/8	1 1/8		
B-66.....	14x24	3/4	3/4	1 1/4		
B-99.....	8x32	3/4	3/4	1 1/4		
B-264.....	8x32	3/4	3/4	1 1/4		
BB-138.....	8x32	3/4	3/4	1 1/4		
BB-626.....	8x32	3/4	3/4	1 1/4		
C-455.....	10x32	7/8	7/8	1 3/4		
D-168.....	4x48	3/4	3/8	1 1/8		
D-177.....	4x48	3/4	3/8	1 1/8		
D-567.....	4x48	3/4	3/8	1 1/8		
D-584.....	1/2x24	1/2	1/2	1 1/2		
D-5067.....	8x32	3/4	3/4	1 1/4		
E-119.....	6x48	3/4	3/4	1 3/4		
E-145.....	14x24	3/4	3/4	1 1/4		
E-1959.....	6x48	3/4	3/4	1 3/4		
F-1266.....	1/2x32	1/2	1/2	1 1/2		
F-7025.....	1/2x24	1/2	1/2	1 1/2		
F-7743.....	10x32	1 1/2	1 1/2	2 1/2		
F-7731.....	10x32	1 1/2	1 1/2	2 1/2		
F-8112.....	10x32	1 1/2	1 1/2	2 1/2		
G-354.....	6x48	3/4	3/4	1 3/4		
G-1635.....	6x48	3/4	3/4	1 3/4		
H-207.....	8x32	3/4	3/4	1 1/4		
H-353.....	8x32	3/4	3/4	1 1/4		

Table 8



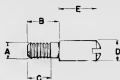
Part No.	Dia. & Thread	A	B	C	D	E
C-72.....	3/4x16	3/4	3/4	1 1/4		
C-163.....	3/4x16	3/4	3/4	1 1/4		
D-31.....	3/4x16	3/4	3/4	1 1/4		
D-131.....	3/4x16	1 1/4	1 1/4	2 1/4		
D-141.....	3/4x24	1 1/4	1 1/4	2 1/4		
D-142.....	3/4x24	1 1/4	1 1/4	2 1/4		
D-164.....	3/4x24	1 1/4	1 1/4	2 1/4		
D-717.....	3/4x24	1 1/4	1 1/4	2 1/4		
D-753.....	3/4x24	1 1/4	1 1/4	2 1/4		
D-1574.....	10x32	1 1/2	1 1/2	2 1/2		
D-3146.....	3/4x24	1 1/4	1 1/4	2 1/4		
D-5666.....	3/4x24	1 1/4	1 1/4	2 1/4		
E-26.....	8x32	3/4	3/4	1 1/4		
E-98.....	3/4x24	3/4	3/4	1 1/4		
E-100.....	3/4x16	3/4	3/4	1 1/4		
E-106.....	3/4x24	1 1/4	1 1/4	2 1/4		
E-662.....	3/4x24	1 1/4	1 1/4	2 1/4		
E-1199.....	3/4x24	1 1/4	1 1/4	2 1/4		
E-4111.....	3/4x24	1 1/4	1 1/4	2 1/4		
F-64.....	3/4x24	1 1/4	1 1/4	2 1/4		
F-2474.....	3/4x16	1 1/4	1 1/4	2 1/4		
H-602.....	3/4x16	2 3/4	3/4	3 1/4		
H-2290.....	3/4x24	1 1/4	3/4	2 1/4		

Table 9



Part No.	Dia. & Thread	A	B	C	D	E
BB-566.....	8x32	3/4	3/4	1 1/4		
C-42.....	3/4x16	3/4	3/4	1 1/4		
C-142.....	3/4x16	3/4	3/4	1 1/4		
C-1570.....	3/4x11	1 1/2	1	2 1/2		
D-846.....	6x48	3/4	3/4	1 3/4		
D-1231.....	10x32	3/4	3/4	1 1/4		
D-2934.....	8x32	3/4	3/4	1 1/4		
E-3.....	3/4x16	2 1/4	3/4	3 1/4		
E-3.....	3/4x24	3/4	3/4	1 1/4		
E-349.....	3/4x16	3/4	3/4	1 1/4		
E-356.....	4x48	3/4	3/4	1 1/4		
E-377.....	8x32	3/4	3/4	1 1/4		
E-922.....	3/4x18	1 1/4	1 1/4	2 1/4		
E-2140.....	5x40	1 1/4	3/4	2 1/4		
E-2349.....	3/4x16	3/4	3/4	1 1/4		
E-3818.....	10x32	3/4	3/4	1 1/4		
E-3967.....	8x32	3/4	3/4	1 1/4		
E-3998.....	10x32	3/4	3/4	1 1/4		
F-518.....	10x32	3/4	3/4	1 1/4		
F-904.....	3/4x24	3/4	3/4	1 1/4		
F-2791.....	3/4x24	3/4	3/4	1 1/4		
F-4497.....	10x32	3/4	3/4	1 1/4		
F-6837.....	3/4x24	3/4	3/4	1 1/4		
F-6828.....	3/4x24	3/4	3/4	1 1/4		
F-7213.....	3/4x24	3/4	3/4	1 1/4		
F-7516.....	10x32	3/4	3/4	1 1/4		
F-8431.....	3/4x24	1 1/4	3/4	2 1/4		
G-274.....	8x32	3/4	3/4	1 1/4		
G-304.....	3/4x24	3/4	3/4	1 1/4		
G-308.....	3/4x24	1 1/4	3/4	2 1/4		
G-716.....	3/4x16	1 1/4	3/4	2 1/4		
G-777.....	3/4x24	1 1/4	3/4	2 1/4		
G-1191.....	3/4x24	1 1/4	1 1/2	2 3/4		

Table 10



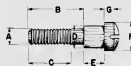
Part No.	Dia. & Thread		B	C	D	E
	A					
E-1478....	4x48	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{11}{16}$
E-4365....	$\frac{1}{4}$ x24	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{11}{16}$
G-1687....	8x32	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{4}$	$\frac{1}{2}$
H-533.....	8x32	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{2}$

Table 11



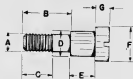
Part No.	Dia. & Thread				
	A	B	C	D	E
E-151.....	$\frac{1}{4}$ x24	$\frac{11}{16}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{11}{16}$
E-3613.....	10x32	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{4}$

Table 12



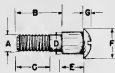
Part No.	Dia. & Thread		B	C	D	E	F	G
	A							
B-87.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	.043
BB-211.....	$\frac{1}{8}$ x18	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	.286	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$
BB-213.....	$\frac{1}{4}$ x24	$\frac{1}{8}$	$\frac{1}{8}$	.312	.385	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
BB-218.....	$\frac{1}{8}$ x16	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{2}$	1.510	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
BB-240.....	$\frac{1}{8}$ x16	$\frac{1}{16}$	$\frac{1}{16}$	.495	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
BB-682.....	10x32	.235	.235	.245	.140	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
BB-709.....	$\frac{1}{4}$ x24	$\frac{1}{8}$	.308	$\frac{1}{4}$	.192	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
BB-712.....	10x32	.635	$\frac{1}{4}$	.246	.197	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
D-39.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	.245	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
D-632.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	.245	.197	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
D-1386.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	.247	.097	$\frac{1}{4}$	$\frac{1}{4}$	.066
D-2916.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	.245	.350	$\frac{1}{4}$	$\frac{1}{4}$	.066
D-2944.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	.235	.070	$\frac{1}{4}$	$\frac{1}{4}$	.065
D-3326.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	.245	.130	.307	$\frac{1}{4}$	$\frac{1}{4}$
D-5988.....	8x32	.282	.282	.245	.197	.297	$\frac{1}{4}$	$\frac{1}{4}$
E-1104.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	.195	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-1200.....	10x32	$\frac{1}{4}$	$\frac{1}{4}$	.246	.197	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-1466.....	10x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	.161	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-1887.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	.506	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-4068.....	6x48	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	.109	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
F-6389.....	$\frac{1}{4}$ x24	.557	.557	$\frac{1}{4}$	.380	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
G-3998.....	10x32	$\frac{1}{4}$	$\frac{1}{4}$	.248	.130	$\frac{1}{4}$	$\frac{1}{4}$	.120
H-140.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	.067	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
H-1766.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	.245	.255	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
H-2361.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	.250	.090	$\frac{1}{4}$	$\frac{1}{4}$	.115
I-3976.....	10x32	.284	.284	.250	.060	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
J-475.....	10x28	$\frac{1}{4}$	$\frac{1}{4}$	.248	.253	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

Table 13



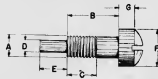
Part No.	Dia. & Thread		B	C	D	E	F	G
	A							
BB-118.....	$\frac{1}{2} \times 12$	1.375	$\frac{3}{4}$		.625	.812	$\frac{7}{8}$	$\frac{3}{4}$
E-805.....	$\frac{3}{8} \times 24$	$\frac{3}{8}$	$\frac{3}{4}$		.310	$\frac{1}{8}$	$\frac{11}{16}$	.220
E-997.....	10×32	.235	.235		.335	.313	$\frac{11}{16}$	$\frac{1}{8}$
E-4065.....	10×32	$\frac{11}{16}$	$\frac{11}{16}$		.249	$\frac{11}{16}$	$\frac{1}{8}$	$\frac{1}{8}$
E-4782.....	10×32	.370	.370		.248	.285	$\frac{3}{8}$	$\frac{1}{8}$
F-7187.....	8×32	$\frac{5}{16}$	$\frac{1}{2}$		$\frac{1}{8}$	.848	$\frac{1}{2}$	.090
F-7821.....	$\frac{3}{8} \times 24$	$\frac{1}{8}$	$\frac{1}{8}$		.370	.145	$\frac{3}{4}$	.089
F-7956.....	8×32	.184	.184	$\frac{3}{4}$		.050	$\frac{3}{8}$	$\frac{1}{8}$
G-1246.....	8×32	$\frac{1}{8}$	$\frac{1}{8}$		.248	.130	$\frac{3}{8}$	$\frac{1}{8}$

Table 14



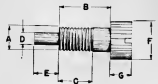
Part No.	Dia. & Thread		B	C	D	E	F	G
	A							
D-215.....	8×32	$\frac{1}{4}$	$\frac{3}{4}$		.245	.317	$\frac{3}{8}$	$\frac{1}{2}$
D-232.....	8×32	$\frac{3}{8}$	$\frac{3}{4}$		.188	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{7}{8}$
E-154.....	$\frac{1}{4} \times 24$	.370	$\frac{3}{4}$		.380	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
E-159.....	$\frac{1}{4} \times 24$	$\frac{3}{8}$	$\frac{3}{4}$		.375	.130	$\frac{1}{2}$	$\frac{5}{8}$
F-7950.....	8×32	.186	.186	$\frac{1}{2}$		.095	$\frac{3}{8}$	$\frac{1}{8}$

Table 15



Part No.	Dia. & Thread		B	C	D	E	F	G
	A							
E-161.....	$\frac{3}{8} \times 16$	$\frac{1}{8}$	$\frac{3}{4}$		.250	$\frac{1}{8}$	$\frac{3}{4}$	$\frac{3}{4}$
J-468.....	10×28	.151	.151	$\frac{3}{4}$		$\frac{1}{8}$	$\frac{3}{4}$	$\frac{1}{8}$

Table 16



Part No.	Dia. & Thread		B	C	D	E	F	G
	A							
D-991.....	4×48	$\frac{1}{2}$	$\frac{3}{4}$		.080	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{2}$
E-403.....	$\frac{1}{4} \times 18$	$\frac{11}{16}$	$\frac{11}{16}$	$\frac{3}{4}$		$\frac{11}{16}$	$\frac{1}{2}$	$\frac{5}{8}$
E-1737.....	$\frac{3}{8} \times 16$	$\frac{11}{16}$	$\frac{11}{16}$	$\frac{3}{4}$		$\frac{11}{16}$	$\frac{1}{2}$	$\frac{5}{8}$

Table 17



Part No.	A	B	C	D	E
Dia. & Thread					
C-203.....	1/4x24	1/2	3/4	1/8	1/4
F-6949.....	5/16x18	3/4	1 1/4	1/4	5/8
FF-7003.....	1/2x18	1 1/4	1 3/4	1/4	1 1/2

Table 18



Part No.	A	B
A-120.....	.250	1 1/2
E-231.....	.125	3/4
E-466.....	.063	1/4
E-4994.....	.125	3/4
G-159.....	.06375	1/4
G-228.....	.06375	3/4
G-246.....	.1875	1 1/2
G-397.....	.125	1 1/2
H-557.....	.21875	3/4
I-114.....	.125	3/4

Table 19



Part No.	A	B
BB-404.....	.250	1 1/2
C-205.....	.250	1 1/2
D-3264.....	.125	1 1/2
E-61.....	.125	3/4
E-2025.....	.045	1 1/2
F-1516.....	.375	1 1/2
F-2135.....	1/4	3/4
G-643.....	.0469	3/4
G-1032.....	.1875	1 1/2

Table 20



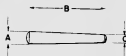
Part No.	A	B
A-114.....	.250	1 1/2
A-115.....	.375	1 1/2
A-116.....	.375	1 1/2
A-325.....	.375	1 1/2
A-326.....	.375	2 3/4
A-730.....	.3125	3/4
A-731.....	.3125	1 1/4
A-732.....	.250	3/4
A-733.....	.5	3/4
A-734.....	.1875	3/4
A-770.....	.3125	1 1/2
A-905.....	.4375	1
A-945.....	.375	2
BB-134.....	.125	3/4
C-116.....	.250	1 1/2
C-141.....	.250	1 1/2
D-102.....	.0625	1/4
D-145.....	.125	3/4
D-218.....	.125	1/2
D-230.....	.06375	3/4
D-327.....	.125	3/4
D-330.....	.5	1 1/2
D-331.....	.125	1 1/2
D-332.....	.125	3/4
D-491.....	.125	1 1/2
D-557.....	.06375	3/4
D-714.....	.06375	1/4
D-964.....	.15625	3/4
D-965.....	.15625	1/2
D-977.....	.15625	1 1/2
D-1012.....	.06375	3/4
E-184.....	.1875	1
E-4319.....	.1875	1
F-463.....	.1875	3/4
F-715.....	.125	3/4
F-7819.....	.06375	3/4
G-181.....	.15625	1 1/2
I-667.....	.1875	3/4
I-874.....	.1875	1 1/2
I-883.....	.1875	1 1/2
I-1120.....	.250	3/4
J-247.....	.0625	3/4
J-611.....	.1875	3/4

Table 21



Part No.	A	B
B-222.....	.250	1 1/4
B-338.....	.15625	3/4
BB-154.....	.125	1 1/2
D-404.....	.0625	3/4
D-523.....	.125	1 1/4
D-903.....	.1875	1 3/4
D-9893.....	.250	1 1/2
E-69.....	.250	1 1/2
E-88.....	3/4	1 1/4
E-168.....	.125	1 1/4
E-179.....	.139	1
F-229.....	.09375	1/2
F-345.....	.0625	1/2
F-1225.....	.175	3/4
G-2891.....	.125	3/4
H-463.....	.09375	3/4
H-1932.....	.125	3/4
I-831.....	.1875	1 1/2
I-2483.....	.1875	1 1/2
J-176.....	.125	3/4

Table 22



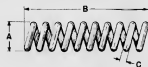
Part No.	A	B	Taper	C
A-118.....	.250	3/4	1/4	.2138
A-701.....	.3723	2	3/4	.3307
B-261.....	.15625	1 1/2	1/4	.140
D-2182.....	.09278	1 1/2	3/4	.094
F-214.....	.3125	2 3/4	1/2	.2135
F-215.....	.250	1 3/4	3/4	.213
G-1933.....	3/8	.710	3/4	.140
H-56.....	.15625	1 1/2	3/4	.1367
I-905.....	.229	1 1/4	3/4	.1978

Table 23



Part No.	Bolt Size	A	B
C-1502...	3/4	1 1/2	1 1/4
E-1654...	1/4	1 1/4	1 1/4
E-2326...	1/4	1 1/4	1 1/4
E-3816...	#8	1 1/4	1 1/4
F-2438...	.255	.109	.062
F-2445...	.194	.070	.056
F-7917...	#8	.078	1 1/4

Table 24



Part No.	A	B	C	No. of Coils
B-94.....	3/4	5 3/4	.261	21
B-319.....	2 1/8	6.838	.225	
BB-1.....	2 3/4	14	1 1/2	19
BB-494.....	1 1/8	1 1/8	.026	10
BB-601.....	1/4	3 3/4	.034	6
BB-613.....	1 1/2	3	.024	29
C-52.....	1 1/2	1 1/4	.045	10
C-148.....	3/8	3/8	.032	11
E-54.....	1 1/2	1 1/2	.048	15
E-327.....	1 1/2	3/4	.024	9
E-928.....	2 1/8	3/4	.051	24
E-1889.....	3/4	3/4	.048	6 1/2
E-2064.....	2 1/2	1 1/2	.074	8
E-2145.....	.472	19 3/4	.046	139
E-4992.....	3/8	1 1/8	.044	4

Table 25



Part No.	Bolt Size	B	C
F-7449...	#10	3/4	.021
F-7847...	1/4	3/8	.025
G-3999...	3/4	1 1/2	.035

Table 26



Part No.	A	B	C	D	No. of Coils
B-319.....	1 $\frac{1}{8}$	8 $\frac{1}{2}$	.225	6%	29 $\frac{1}{2}$
B-587.....	1 $\frac{1}{8}$	11 $\frac{1}{4}$	.241		32
B-911.....	1 $\frac{1}{8}$	12 $\frac{1}{4}$	.225	10%	44
B-960.....	1 $\frac{1}{8}$	13 $\frac{1}{4}$	.241	10%	46
BB-133.....	$\frac{1}{4}$	2 $\frac{1}{2}$	.031		2 $\frac{1}{2}$
D-994.....	$\frac{1}{4}$		.032	1%	
E-1254.....	1 $\frac{1}{2}$		.283	14 $\frac{1}{2}$	41
E-1260.....	1 $\frac{1}{2}$		.250	13 $\frac{1}{2}$	53
E-3681.....	$\frac{1}{2}$		.024	2 $\frac{1}{2}$	
E-4783.....	.240		.024	1 $\frac{1}{4}$	
F-886.....	$\frac{1}{4}$		.024	1	

Table 27



Part No.	Di. & Thread	A	B	C
A-116.....	$\frac{1}{2}$ x12	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
B-237.....	$\frac{1}{2}$ x24	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
B-259.....	$\frac{1}{2}$ x11	$\frac{1}{2}$	1	$\frac{1}{2}$
B-653.....	$\frac{1}{2}$ x16	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$

Table continued on next column

Part No.	Di. & Thread	A	B	C
BB-185.....	$\frac{1}{4}$ x20	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
BB-221.....	10x28	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
BB-247.....	$\frac{1}{2}$ x11	$\frac{1}{4}$	1 $\frac{1}{4}$	$\frac{1}{4}$
BB-270.....	$\frac{1}{2}$ x20	$\frac{1}{4}$	1 $\frac{1}{4}$	$\frac{1}{4}$
BB-606.....	10x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

C-93.....	$\frac{1}{2}$ x16	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
D-802.....	8x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
D-1336.....	10x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

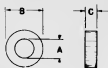
E-136.....	1x16	$\frac{1}{4}$	1 $\frac{1}{4}$	$\frac{1}{4}$
E-165.....	$\frac{1}{2}$ x16	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-430.....	$\frac{1}{2}$ x12	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-539.....	$\frac{1}{2}$ x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-1029.....	$\frac{1}{2}$ x40	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-2720.....	$\frac{1}{2}$ x18	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-4870.....	$\frac{1}{2}$ x16	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

F-35.....	$\frac{1}{2}$ x9	$\frac{1}{4}$	1 $\frac{1}{4}$	$\frac{1}{4}$
F-4051.....	$\frac{1}{2}$ x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
F-7175.....	$\frac{1}{2}$ x37	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
F-7197.....	$\frac{1}{2}$ x24	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
F-7237.....	10x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
F-7239.....	10x32	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

G-744.....	$\frac{1}{2}$ x18	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
G-1053.....	4x43	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
G-3398.....	$\frac{1}{2}$ x34	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

I-2809.....	6x48	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
J-463.....	$\frac{1}{4}$ x24	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

Table 28



Part No.	A	B	C
B-317.....	$\frac{1}{2}$	1	$\frac{1}{4}$
B-957.....	1	1 $\frac{1}{2}$	A-1.010 A-2.015 A-3.032
BB-123.....	$\frac{1}{2}$	1 $\frac{1}{4}$	$\frac{1}{4}$
BB-137.....	1 $\frac{1}{2}$	1 $\frac{1}{4}$	$\frac{1}{4}$

Table continued on next column

Part No.	A	B	C
D-107.....	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$
D-779.....	.173	$\frac{1}{4}$	$\frac{1}{4}$
D-940.....	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

E-392.....	1	1 $\frac{1}{4}$	$\frac{1}{4}$
E-484.....	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-826.....	.255	$\frac{1}{4}$	$\frac{1}{4}$
E-837.....	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-1106.....	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
E-4548.....	.140	$\frac{1}{4}$	$\frac{1}{4}$

F-36.....	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
F-592.....	.630	1 $\frac{1}{4}$	$\frac{1}{4}$
F-593.....	.630	1 $\frac{1}{4}$	$\frac{1}{4}$
F-594.....	.630	1 $\frac{1}{4}$	.0156
F-2462.....	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
F-3681.....	$\frac{1}{4}$	$\frac{1}{4}$	.08375
F-3854.....	.630	1 $\frac{1}{4}$	$\frac{1}{4}$
F-4826.....	.201	$\frac{1}{4}$	$\frac{1}{4}$
F-7177.....	$\frac{1}{4}$	1	$\frac{1}{4}$
F-7235.....	.201	$\frac{1}{4}$	$\frac{1}{4}$
F-7236.....	.201	$\frac{1}{4}$	$\frac{1}{4}$
F-7738.....	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
F-7739.....	$\frac{1}{4}$	1 $\frac{1}{4}$	$\frac{1}{4}$
F-7740.....	$\frac{1}{4}$	1 $\frac{1}{4}$	$\frac{1}{4}$

G-33.....	.173	$\frac{1}{4}$	$\frac{1}{4}$
G-107.....	.610	$\frac{1}{4}$	.125
G-1135.....	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
G-1398.....	.166	$\frac{1}{4}$	$\frac{1}{4}$

H-352.....	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$
H-497.....	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$
H-535.....	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$
H-1764.....	.262	$\frac{1}{2}$	.122

I-2540.....	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$
I-5629.....	$\frac{1}{2}$	$\frac{1}{4}$	.156

A		A		B		B		BB		BB		BB		BB		C	
Part	Page	Part	Page	Part	Page	Part	Page	Part	Page	Part	Page	Part	Page	Part	Page	Part	Page
3	48	828	34	103	119	773	8	1	20	214	108	492	104	663	19	51	188
7	142, 146	30	864	108	48	774	78	5	18	215	108	493	104	21	100	52	138, 142
14	142	873	34	110	48	774	78	9	20	218	108	494	104	670	100	52	138, 142
17	142	880	48	124	81	775	78	13	126	219	108	495	104	674	100	54	138, 142
26	142	901	2	210	80	776	78	13	126	220	108	538	100	675	100	54	138, 142
38	142	100	2	210	80	777	78	20	130	221	108	539	100	676	100	54	138, 142
58	142	100	2	210	80	778	78	20	130	222	108	540	100	677	100	54	138, 142
104	78, 84	100	2	210	80	779	78	20	130	223	108	541	100	678	100	54	138, 142
108, 136, 134	100	100	2	210	80	780	78	20	130	224	108	542	100	679	100	54	138, 142
136, 138, 140	100	100	2	210	80	781	78	20	130	225	108	543	100	680	100	54	138, 142
142	100	100	2	210	80	782	78	20	130	226	108	544	100	681	100	54	138, 142
142	100	100	2	210	80	783	78	20	130	227	108	545	100	682	100	54	138, 142
142	100	100	2	210	80	784	78	20	130	228	108	546	100	683	100	54	138, 142
142	100	100	2	210	80	785	78	20	130	229	108	547	100	684	100	54	138, 142
142	100	100	2	210	80	786	78	20	130	230	108	548	100	685	100	54	138, 142
142	100	100	2	210	80	787	78	20	130	231	108	549	100	686	100	54	138, 142
142	100	100	2	210	80	788	78	20	130	232	108	550	100	687	100	54	138, 142
142	100	100	2	210	80	789	78	20	130	233	108	551	100	688	100	54	138, 142
142	100	100	2	210	80	790	78	20	130	234	108	552	100	689	100	54	138, 142
142	100	100	2	210	80	791	78	20	130	235	108	553	100	690	100	54	138, 142
142	100	100	2	210	80	792	78	20	130	236	108	554	100	691	100	54	138, 142
142	100	100	2	210	80	793	78	20	130	237	108	555	100	692	100	54	138, 142
142	100	100	2	210	80	794	78	20	130	238	108	556	100	693	100	54	138, 142
142	100	100	2	210	80	795	78	20	130	239	108	557	100	694	100	54	138, 142
142	100	100	2	210	80	796	78	20	130	240	108	558	100	695	100	54	138, 142
142	100	100	2	210	80	797	78	20	130	241	108	559	100	696	100	54	138, 142
142	100	100	2	210	80	798	78	20	130	242	108	560	100	697	100	54	138, 142
142	100	100	2	210	80	799	78	20	130	243	108	561	100	698	100	54	138, 142
142	100	100	2	210	80	800	78	20	130	244	108	562	100	699	100	54	138, 142
142	100	100	2	210	80	801	78	20	130	245	108	563	100	700	100	54	138, 142
142	100	100	2	210	80	802	78	20	130	246	108	564	100	701	100	54	138, 142
142	100	100	2	210	80	803	78	20	130	247	108	565	100	702	100	54	138, 142
142	100	100	2	210	80	804	78	20	130	248	108	566	100	703	100	54	138, 142
142	100	100	2	210	80	805	78	20	130	249	108	567	100	704	100	54	138, 142
142	100	100	2	210	80	806	78	20	130	250	108	568	100	705	100	54	138, 142
142	100	100	2	210	80	807	78	20	130	251	108	569	100	706	100	54	138, 142
142	100	100	2	210	80	808	78	20	130	252	108	570	100	707	100	54	138, 142
142	100	100	2	210	80	809	78	20	130	253	108	571	100	708	100	54	138, 142
142	100	100	2	210	80	810	78	20	130	254	108	572	100	709	100	54	138, 142
142	100	100	2	210	80	811	78	20	130	255	108	573	100	710	100	54	138, 142
142	100	100	2	210	80	812	78	20	130	256	108	574	100	711	100	54	138, 142
142	100	100	2	210	80	813	78	20	130	257	108	575	100	712	100	54	138, 142
142	100	100	2	210	80	814	78	20	130	258	108	576	100	713	100	54	138, 142
142	100	100	2	210	80	815	78	20	130	259	108	577	100	714	100	54	138, 142
142	100	100	2	210	80	816	78	20	130	260	108	578	100	715	100	54	138, 142
142	100	100	2	210	80	817	78	20	130	261	108	579	100	716	100	54	138, 142
142	100	100	2	210	80	818	78	20	130	262	108	580	100	717	100	54	138, 142
142	100	100	2	210	80	819	78	20	130	263	108	581	100	718	100	54	138, 142
142	100	100	2	210	80	820	78	20	130	264	108	582	100	719	100	54	138, 142
142	100	100	2	210	80	821	78	20	130	265	108	583	100	720	100	54	138, 142
142	100	100	2	210	80	822	78	20	130	266	108	584	100	721	100	54	138, 142
142	100	100	2	210	80	823	78	20	130	267	108	585	100	722	100	54	138, 142
142	100	100	2	210	80	824	78	20	130	268	108	586	100	723	100	54	138, 142
142	100	100	2	210	80	825	78	20	130	269	108	587	100	724	100	54	138, 142
142	100	100	2	210	80	826	78	20	130	270	108	588	100	725	100	54	138, 142
142	100	100	2	210	80	827	78	20	130	271	108	589	100	726	100	54	138, 142
142	100	100	2	210	80	828	78	20	130	272	108	590	100	727	100	54	138, 142
142	100	100	2	210	80	829	78	20	130	273	108	591	100	728	100	54	138, 142
142	100	100	2	210	80	830	78	20	130	274	108	592	100	729	100	54	138, 142
142	100	100	2	210	80	831	78	20	130	275	108	593	100	730	100	54	138, 142
142	100	100	2	210	80	832	78	20	130	276	108	594	100	731	100	54	138, 142
142	100	100	2	210	80	833	78	20	130	277	108	595	100	732	100	54	138, 142
142	100	100	2	210	80	834	78	20	130	278	108	596	100	733	100	54	138, 142
142	100	100	2	210	80	835	78	20	130	279	108	597	100	734	100	54	138, 142
142	100	100	2	210	80	836	78	20	130	280	108	598	100	735	100	54	138, 142
142	100	100	2	210	80	837	78	20	130	281	108	599	100	736	100	54	138, 142
142	100	100	2	210	80	838	78	20	130	282	108	600	100	737	100	54	138, 142
142	100	100	2	210	80	839	78	20	130	283	108	601	100	738	100	54	138, 142
142	100	100	2	210	80	840	78	20	130	284	108	602	100	739	100	54	138, 142
142	100	100	2	210	80	841	78	20	130	285	108	603	100	740	100	54	138, 142
142	100	100	2	210	80	842	78	20	130	286	108	604	100	741	100	54	138, 142
142	100	100	2	210	80	843	78	20	130	287	108	605	100	742	100	54	138, 142
142	100	100	2	210	80	844	78	20	130	288	108	606	100	743	100	54	138, 142
142	100	100	2	210	80	845	78	20	130	289	108	607	100	744	100	54	138, 142
142	100	100	2	210	80	846	78	20	130	290	108	608	100	745	100	54	138, 142
142	100	100	2	210	80	847	78	20	130	291	108	609	100	746	100	54	138, 142
142	100	100	2	210	80	848	78	20	130	292	108	610	100	747	100	54	138, 142
142	100	100	2	210	80	849	78	20	130	293	108	611	100	748	100	54	138, 142
142	100	100	2	210	80	850	78	20	130	294	108	612	100	749	100	54	138, 142
142	100	100	2	210	80	851	78	20	130	295	108	613	100	750	100	54	1

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204	112	1171	116	1444	128	1565	138	1919	148	2132	150	168	156	965	136	4368	134
208	130	1172	148	1447	128	1566	136	1920	148	2133	152	168	88, 89, 82, 84	971	138, 140	4368	78
218	142	1173	144	1448	128	1567	138	1921	148	2134	154	168	96, 114, 118	972	140	4368	84
219	138	1174	144	1449	128	1568	136	1922	148	2135	156	168	974	973	142	4368	90
220	142	1175	144	1450	128	1569	138	1923	148	2136	158	168	977	978	144	4368	96
230	142	1176	144	1451	128	1570	136	1924	148	2137	160	168	979	980	146	4368	102
231	142	1177	144	1452	128	1571	138	1925	148	2138	162	168	981	982	148	4368	108
232	142	1178	144	1453	128	1572	136	1926	148	2139	164	168	983	984	150	4368	114
233	142	1179	144	1454	128	1573	138	1927	148	2140	166	168	985	986	152	4368	120
234	142	1180	144	1455	128	1574	136	1928	148	2141	168	168	987	988	154	4368	126
237	142	1181	144	1456	128	1575	138	1929	148	2142	170	168	989	990	156	4368	132
242	142	1182	144	1457	128	1576	136	1930	148	2143	172	168	991	992	158	4368	138
297	142	1183	144	1458	128	1577	138	1931	148	2144	174	168	993	994	160	4368	144
299	142	1184	144	1459	128	1578	136	1932	148	2145	176	168	995	996	162	4368	150
348	142	1185	144	1460	128	1579	138	1933	148	2146	178	168	997	998	164	4368	156
349	142	1186	144	1461	128	1580	136	1934	148	2147	180	168	999	1000	166	4368	162
350	142	1187	144	1462	128	1581	138	1935	148	2148	182	168	1001	1002	168	4368	168
423	142	1188	144	1463	128	1582	136	1936	148	2149	184	168	1003	1004	170	4368	174
454	142	1189	144	1464	128	1583	138	1937	148	2150	186	168	1005	1006	172	4368	180
454	142	1190	144	1465	128	1584	136	1938	148	2151	188	168	1007	1008	174	4368	186
454	142	1191	144	1466	128	1585	138	1939	148	2152	190	168	1009	1010	176	4368	192
454	142	1192	144	1467	128	1586	136	1940	148	2153	192	168	1011	1012	178	4368	198
454	142	1193	144	1468	128	1587	138	1941	148	2154	194	168	1013	1014	180	4368	204
454	142	1194	144	1469	128	1588	136	1942	148	2155	196	168	1015	1016	182	4368	210
454	142	1195	144	1470	128	1589	138	1943	148	2156	198	168	1017	1018	184	4368	216
454	142	1196	144	1471	128	1590	136	1944	148	2157	200	168	1019	1020	186	4368	222
454	142	1197	144	1472	128	1591	138	1945	148	2158	202	168	1021	1022	188	4368	228
454	142	1198	144	1473	128	1592	136	1946	148	2159	204	168	1023	1024	190	4368	234
454	142	1199	144	1474	128	1593	138	1947	148	2160	206	168	1025	1026	192	4368	240
454	142	1200	144	1475	128	1594	136	1948	148	2161	208	168	1027	1028	194	4368	246
454	142	1201	144	1476	128	1595	138	1949	148	2162	210	168	1029	1030	196	4368	252
454	142	1202	144	1477	128	1596	136	1950	148	2163	212	168	1031	1032	198	4368	258
454	142	1203	144	1478	128	1597	138	1951	148	2164	214	168	1033	1034	200	4368	264
454	142	1204	144	1479	128	1598	136	1952	148	2165	216	168	1035	1036	202	4368	270
454	142	1205	144	1480	128	1599	138	1953	148	2166	218	168	1037	1038	204	4368	276
454	142	1206	144	1481	128	1600	136	1954	148	2167	220	168	1039	1040	206	4368	282
454	142	1207	144	1482	128	1601	138	1955	148	2168	222	168	1041	1042	208	4368	288
454	142	1208	144	1483	128	1602	136	1956	148	2169	224	168	1043	1044	210	4368	294
454	142	1209	144	1484	128	1603	138	1957	148	2170	226	168	1045	1046	212	4368	300
454	142	1210	144	1485	128	1604	136	1958	148	2171	228	168	1047	1048	214	4368	306
454	142	1211	144	1486	128	1605	138	1959	148	2172	230	168	1049	1050	216	4368	312
454	142	1212	144	1487	128	1606	136	1960	148	2173	232	168	1051	1052	218	4368	318
454	142	1213	144	1488	128	1607	138	1961	148	2174	234	168	1053	1054	220	4368	324
454	142	1214	144	1489	128	1608	136	1962	148	2175	236	168	1055	1056	222	4368	330
454	142	1215	144	1490	128	1609	138	1963	148	2176	238	168	1057	1058	224	4368	336
454	142	1216	144	1491	128	1610	136	1964	148	2177	240	168	1059	1060	226	4368	342
454	142	1217	144	1492	128	1611	138	1965	148	2178	242	168	1061	1062	228	4368	348
454	142	1218	144	1493	128	1612	136	1966	148	2179	244	168	1063	1064	230	4368	354
454	142	1219	144	1494	128	1613	138	1967	148	2180	246	168	1065	1066	232	4368	360
454	142	1220	144	1495	128	1614	136	1968	148	2181	248	168	1067	1068	234	4368	366
454	142	1221	144	1496	128	1615	138	1969	148	2182	250	168	1069	1070	236	4368	372
454	142	1222	144	1497	128	1616	136	1970	148	2183	252	168	1071	1072	238	4368	378
454	142	1223	144	1498	128	1617	138	1971	148	2184	254	168	1073	1074	240	4368	384
454	142	1224	144	1499	128	1618	136	1972	148	2185	256	168	1075	1076	242	4368	390
454	142	1225	144	1500	128	1619	138	1973	148	2186	258	168	1077	1078	244	4368	396
454	142	1226	144	1501	128	1620	136	1974	148	2187	260	168	1079	1080	246	4368	402
454	142	1227	144	1502	128	1621	138	1975	148	2188	262	168	1081	1082	248	4368	408
454	142	1228	144	1503	128	1622	136	1976	148	2189	264	168	1083	1084	250	4368	414
454	142	1229	144	1504	128	1623	138	1977	148	2190	266	168	1085	1086	252	4368	420
454	142	1230	144	1505	128	1624	136	1978	148	2191	268	168	1087	1088	254	4368	426
454	142	1231	144	1506	128	1625	138	1979	148	2192	270	168	1089	1090	256	4368	432
454	142	1232	144	1507	128	1626	136	1980	148	2193	272	168	1091	1092	258	4368	438
454	142	1233	144	1508	128	1627	138	1981	148	2194	274	168	1093	1094	260	4368	444
454	142	1234	144	1509	128	1628	136	1982	148	2195	276	168	1095	1096	262	4368	450
454	142	1235	144	1510	128	1629	138	1983	148	2196	278	168	1097	1098	264	4368	456
454	142	1236	144	1511	128	1630	136	1984	148	2197	280	168	1099	1100	266	4368	462
454	142	1237	144	1512	128	1631	138	1985	148	2198	282	168	1101	1102	268	4368	468
454	142	1238	144	1513	128	1632	136	1986	148	2199	284	168	1103	1104	270	4368	474
454	142	1239	144	1514	128	1633	138	1987	148	2200	286	168	1105	1106	272	4368	480
454	142	1240	144	1515	128	1634	136	1988	148	2201	288	168	1107	1108	274	4368	486
454	142	1241	144	1516	128	1635	138	1989	148	2202	290	168	1109	1110	276	4368	492
454	142	1242	144	1517	128	1636	136	1990	148	2203	292	168	1111	1112	278	4368	498
454	142	1243	144	1518	128	1637	138	1991	148	2204	294	168	1113	1114	280	4368	504
454	142	1244	144	1519	128	1638	136	1992	148	2205	296	168	1115	1116	282	4368	510
454	142	1245	144	1520	128	1639	138	1993	148	2206	298	168	1117	1118	284	4368	516
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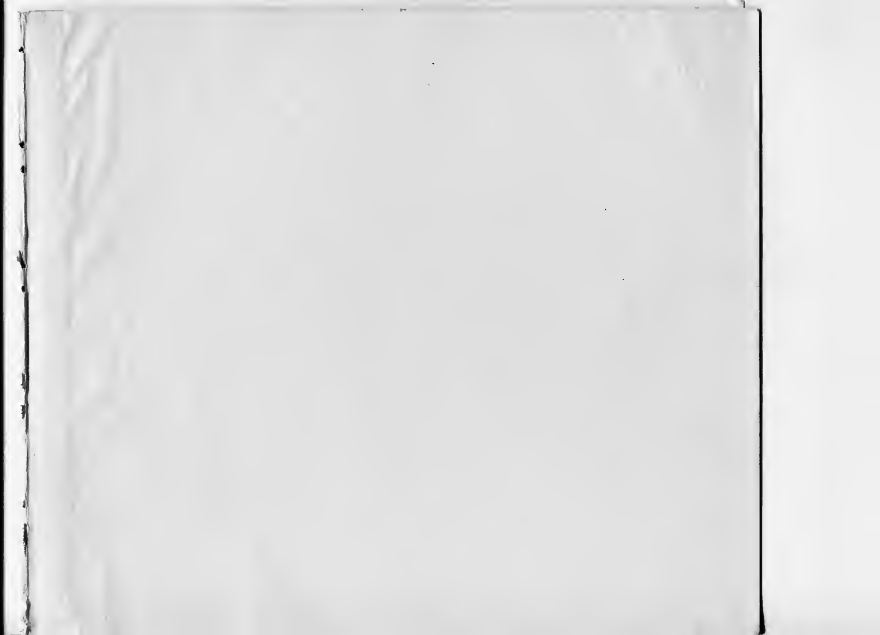
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8033	92	8135	118	8198	81	8273	58	8453	94	156	6	1635	7	1764	94	5629	312
8034	92	8136	118	8199	81	8274	58	8454	94	156	6	1635	7	1764	94	5629	312
8040	92	8137	118	8200	81	8275	58	8455	94	156	6	1635	7	1764	94	5629	312
8041	92	8138	118	8201	81	8276	58	8456	94	156	6	1635	7	1764	94	5629	312
8042	92	8139	118	8202	81	8277	58	8457	94	156	6	1635	7	1764	94	5629	312
8043	92	8140	118	8203	81	8278	58	8458	94	156	6	1635	7	1764	94	5629	312
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8046	92	8143	118	8206	81	8281	58	8461	94	156	6	1635	7	1764	94	5629	312
8047	92	8144	118	8207	81	8282	58	8462	94	156	6	1635	7	1764	94	5629	312
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8049	92	8146	118	8209	81	8284	58	8464	94	156	6	1635	7	1764	94	5629	312
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8052	92	8149	118	8212	81	8287	58	8467	94	156	6	1635	7	1764	94	5629	312
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8054	92	8151	118	8214	81	8289	58	8469	94	156	6	1635	7	1764	94	5629	312
8055	92	8152	118	8215	81	8290	58	8470	94	156	6	1635	7	1764	94	5629	312
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8068	92	8165	118	8228	81	8303	58	8483	94	156	6	1635	7	1764	94	5629	312
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8073	92	8170	118	8233	81	8308	58	8488	94	156	6	1635	7	1764	94	5629	312
8074	92	8171	118	8234	81	8309	58	8489	94	156	6	1635	7	1764	94	5629	312
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8076	92	8173	118	8236	81	8311	58	8491	94	156	6	1635	7	1764	94	5629	312
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8087	92	8184	118	8247	81	8322	58	8502	94	156	6	1635	7	1764	94	5629	312
8088	92	8185	118	8248	81	8323	58	8503	94	156	6	1635	7	1764	94	5629	312
8089	92	8186	118	8249	81	8324	58	8504	94	156	6	1635	7	1764	94	5629	312
8090	92	8187	118	8250	81	8325	58	8505	94	156	6	1635	7	1764	94	5629	312
8091	92	8188	118	8251	81	8326	58	8506	94	156	6	1635	7	1764	94	5629	312
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8093	92	8190	118	8253	81	8328	58	8508	94	156	6	1635	7	1764	94		







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